

Service Manual

Plasma Television



Model No. **TC-P42GT30A**
GPF14D-A Chassis



dts
2.0+Digital Out



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 Safety Precautions

1.1. General Guidelines

1. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
3. When conducting repairs and servicing, do not twist the Fasten connectors but plug them straight in or unplug them straight out.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUCH CURRENT) expressed as voltage U_1 and U_2 , does not exceed the following values:

For a. c.: $U_1 = 35 \text{ V (peak)}$ and $U_2 = 0.35 \text{ V (peak)}$;

For d. c.: $U_1 = 1.0 \text{ V}$,

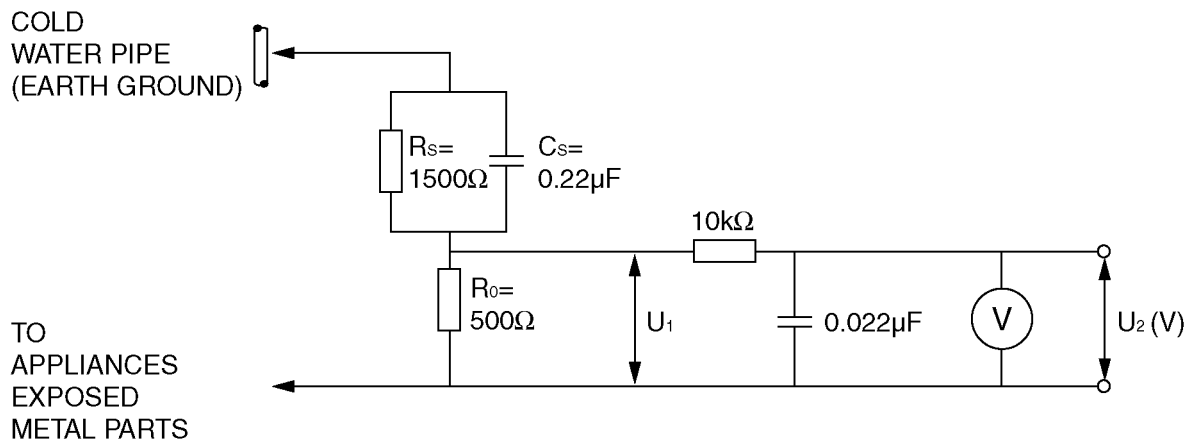
Note:

The limit value of $U_2 = 0.35 \text{ V (peak)}$ for a. c. and $U_1 = 1.0 \text{ V}$ for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.

The limit value $U_1 = 35 \text{ V (peak)}$ for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz .

7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

V: Voltmeter or oscilloscope
(r.m.s. or peak reading)

Input resistance: $\geq 1 \text{ M}\Omega$

Input capacitance: $\leq 200 \text{ pF}$

Frequency range: $15 \text{ Hz to } 1 \text{ MHz}$ and d.c. respectively

NOTE - Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms.

Figure 1

2 Warning

2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor [chip] components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as [anti-static (ESD protected)] can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

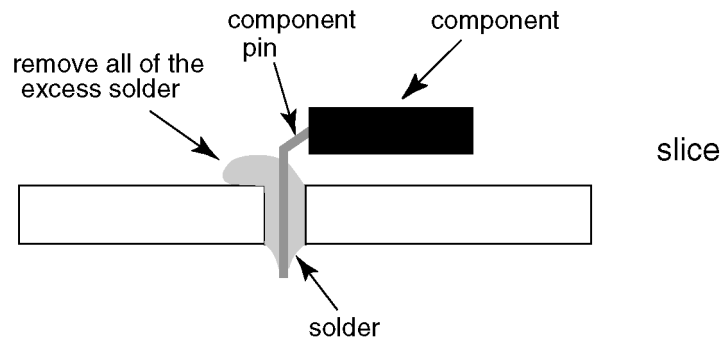
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

PCBs manufactured using lead free solder will have the PbF within a leaf Symbol **PbF** stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

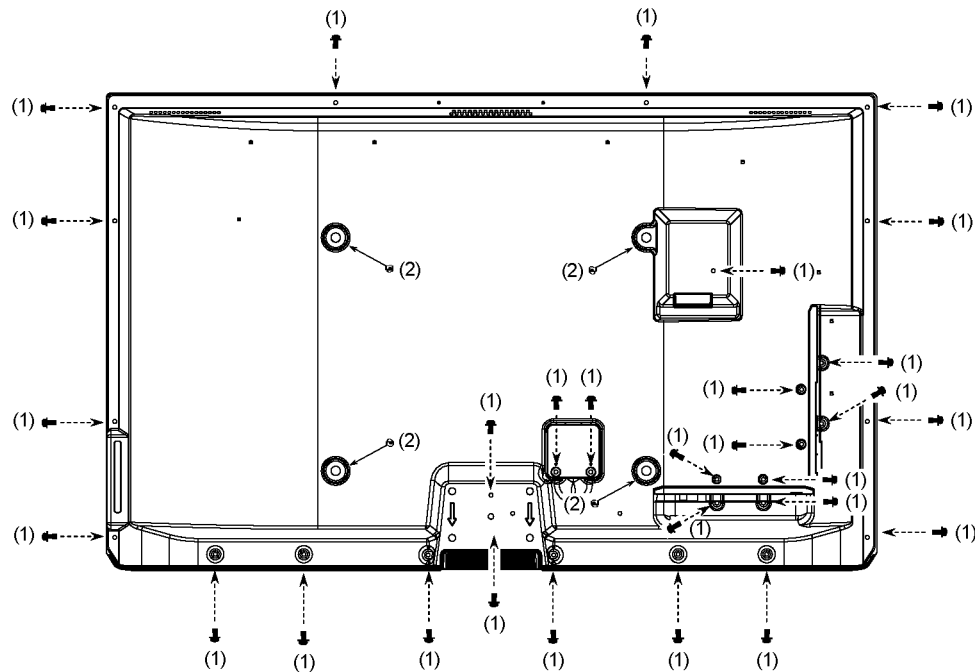
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g

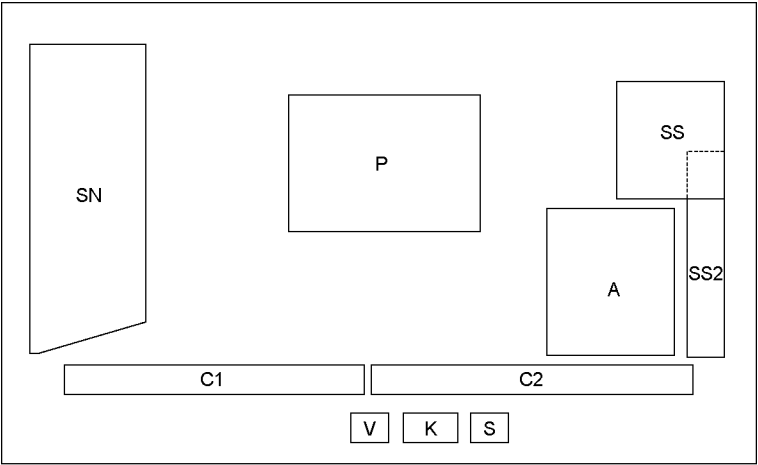
3 Service Navigation

3.1. PCB Layout

Remove the Rear cover



Remove:
29screws (1) THEJ0409
4screws (2) TKKL5493



Board Name	Function	Board Name	Function
P	Power Supply	C1	Data Driver (Lower Right)
A	Main AV input, processing	C2	Data Driver (Lower Left)
K	Remote receiver, Power LED, C.A.T.S. sensor	SN	Scan Drive
S	Power switch	SS	Sustain Drive
V	3D Eyewear transmitter	SS2	Sustain out (Lower)

3.2. Applicable signals

COMPONENT (Y, P_B/C_B, P_R/C_R), HDMI

* Mark: Applicable input signal

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p		*
1,125 (1,080) / 50p		*
1,125 (1,080) / 24p		*

PC (from D-sub 15P)

Applicable input signal for PC is basically compatible to VESA standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60 Hz	31.44	59.89
1,024 × 768 @60 Hz	48.36	60.00
1,024 × 768 @70 Hz	56.48	70.07
1,024 × 768 @75 Hz	60.02	75.03
1,024 × 768 @85 Hz	68.68	85.00
1,280 × 1,024 @60 Hz	63.98	60.02
1,280 × 768 @60 Hz	47.70	60.00
1,366 × 768 @60 Hz	48.39	60.04
Macintosh13" (640 × 480)	35.00	66.67
Macintosh16" (832 × 624)	49.73	74.55
Macintosh21" (1,152 × 870)	68.68	75.06

PC (from HDMI terminal)

Applicable input signal for PC is basically compatible to HDMI standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
750 (720) / 60p	45.00	60.00
1,125 (1,080) / 60p	67.50	60.00

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

4. Specifications

TV		TC-P42GT30A		TC-P50GT30A		
Fuente de Alimentación		AC 220 V, 50 / 60 Hz				
Potencia	Potencia Nominal	305 W		430 W		
	Condición de Espera	0.4 W		0.4 W		
Display panel	Relación de Aspecto	16:9				
	Tamaño de la pantalla visible	106 cm (diagonal) 921 mm (W) × 518 mm (H)		127 cm (diagonal) 1105 mm (W) × 622 mm (H)		
	Número de píxeles	2.073.600 (1,920 (W) × 1080 (H)) [5760 × 1080 puntos]				
Sonido	Parlantes	(140 mm × 35 mm) × 2, 6 Ω				
	Salida de Audio	20 W (10 W + 10 W)				
	Audífonos	1 Mini-conector estéreo M3 (3.5 mm)				
Señales de la PC		VGA, SVGA, WVGA, XGA SXGA, WXGA (comprimido) Frecuencia de barrido horizontal 31 - 69 kHz Frecuencia de barrido vertical 59 - 86 Hz				
Sistemas de Recepción / Nombre de la Banda		Digital TV: Recepción de radiodifusión de TV aire libre 6 MHz VHF / UHF p/ Argentina				
		1. PAL-M 2. PAL-N 3. NTSC		Recepción de transmisión y reproducción en Videocasetera o DVD		
Canales de recepción (TV Analógica)		BANDA VHF 2-13		BANDA UHF 14-69		
Antena Aérea - Trasera		CATV (TV POR CABLE) 1-125				
Condiciones Operativas		VHF / UHF				
		Temperatura : 0 °C - 40 °C Humedad : 20 % - 80 % Humedad Relativa (no condensativa)				
Terminales de Conexión	Entrada AV1	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms]	
		COMPONENTE	Y P _B /C _B , P _R /C _R		1.0 V[p-p] incluyendo sincronización) ±0.35 V[p-p]	
	Entrada AV2	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms]	
		VIDEO	Tipo Pine RCA × 1		1.0 V[p-p] (75 Ω)	
	Entrada AV3	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms]	
		VIDEO	Tipo Pine RCA × 1		1.0 V[p-p] (75 Ω)	
	Salida Audio	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms] (alta impedancia)	
	Otros	Entrada HDMI 1-4	Conectores Tipo A		● Esta TV soporta la función "HDAVI Control 5"	
		Entrada PC	D-SUB de 15 Pines de alta densidad		R / G / B: 0.7 V[p-p] (75 Ω) HD / VD: Nivel TTL 2.0 - 5.0 V[p-p] (alta impedancia)	
		DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS, Fibra óptica			
		Ranura para Tarjeta	Ranura para Tarjeta × 1			
		USB 1/2/3	Conectores USB 2.0 Tipo A		DC 5 V, Max. 500 mA	
		ETHERNET	10BASE-T / 100BASE-TX			
Dimensiones (A × A × P)		993 mm × 649 mm × 320 mm (Con pedestal) 993 mm × 615 mm × 58 mm (solamente la TV)		1177 mm × 753 mm × 335 mm (Con pedestal) 1177 mm × 718 mm × 58 mm (solamente la TV)		
Peso		23,0 kg Neto (con Pedestal) 19,5 kg Neto(solamente la TV)		29,5 kg Neto (con Pedestal) 25,5 kg Neto (solamente la TV)		

Anteojos 3D

Tipo de Lente		Obturador de Cristal Líquido			
Rango de temperatura de uso		0 °C - 40 °C			
Carga de la fuente de alimentación		5V CC (suministrada por el terminal USB de una TV Panasonic)			
Batería		Batería recargable de polímero de iones de litio 3,7V CC, 70 mAh Tiempo de operación *1 Aproximadamente 30 horas Tiempo de carga *1 Aproximadamente 2 horas			
Alcance de visualización *2		Transmisor para Anteojos 3D Dentro de 3,2 m a partir de la superficie frontal (Dentro de ±35° horizontal, ±20° vertical)			
Materiales		Cuerpo principal: Resina Sección de la lente: Vidrio de cristal líquido			
Dimensiones (no incluyendo la parte de soporte para la nariz)	Ancho	170,1 mm			
	Altura	41,2 mm			
	Largo general	169,8 mm			
	Peso	Aproximadamente 39g neto			

5 Technical Descriptions

5.1. Specification of KEY for CI Plus, DTCP-IP, WIDEVINE and One-to-One

5.1.1. General information:

1. EEPROM (IC8902) for spare parts has the seed of KEY for each.
2. The final KEY data will be generated by Peaks IC (IC8000) when SELF CHECK was done and are stored in both Peaks IC (IC8000) and EEPROM (IC8902).

Three KEY are not generated for all models.

The necessary KEY are only generated and stored depend on the feature of models.

5.1.2. Replacement of ICs:

When Peaks IC (IC8000) is replaced, EEPROM (IC8902) should be also replaced with new one the same time.

When EEPROM (IC8902) is replaced, Peaks IC (IC8000) is not necessary to be replaced the same time.

After the replacement of IC, SELF CHECK should be done to generate the final KEY data.

How to SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

TV will be forced to the factory shipment setting after this SELF CHECK.

5.1.3. Model and Keys:

Model No.	Keys	
	One-to-one	WIDEVINE
TH-P42GT30A	○	○

5.2. USB HDD Recording

5.2.1. General information:

Digital TV programmes can be recorded in USB HDD.

A One-to-One key generated in A-board by SELF CHECK binds TV and USB-HDD for communication.

That key is only one key for them. If the key is difference, TV can not access USB-HDD.

Caution:

New key will be generated by following SELF CHECK and previous TV programmes recorded in USB HDD will not be viewed.

SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

6 Service Mode

6.1. How to enter into Service Mode

6.1.1. Purpose

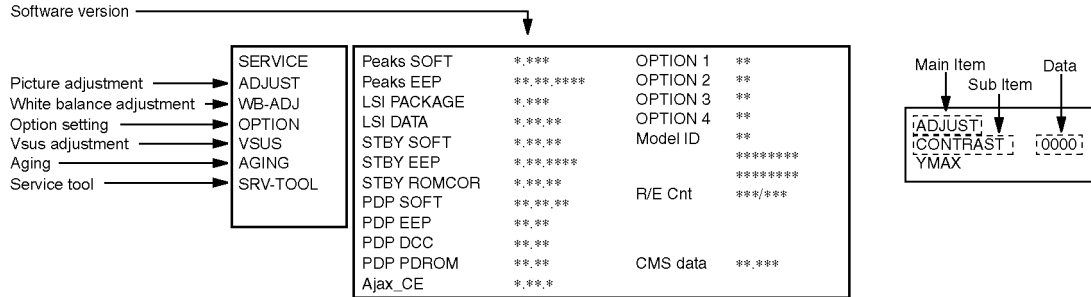
After exchange parts, check and adjust the contents of adjustment mode.

While pressing [VOLUME (-)] button of the main unit, press [i] button of the remote control three times within 2 seconds.

Note:

Service Mode can not be entered when 3D signal input.

Input 2D signal to enter Service Mode.



6.1.2. Key command

- [1] button...Main items Selection in forward direction
- [2] button...Main items Selection in reverse direction
- [3] button...Sub items Selection in forward direction
- [4] button...Sub items Selection in reverse direction
- [RED] button...All Sub items Selection in reverse direction
- [GREEN] button...All Sub items Selection in forward direction
- [VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

6.1.3. How to exit

Switch off the power with the [POWER] button on the main unit or the [POWER] button on the remote control.

6.1.4. Contents of adjustment mode

- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data	Remark
ADJUST	CONTRAST	000	
	COLOR	3D	
	TINT	00	
	SUB-BRT	800	
	H-POS	0	
	H-AMP	0	
	V-POS	0	
	V-AMP	0	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FF	
	G-DRV	DE	
	B-DRV	A6	
	ALL-CUT	80	
	ALL-DRV	FF	
OPTION	Panel-Type	42FHD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	EMERGENCY	ON	
	Y/C Delay		
	OPT 1	10110000	
	OPT 2	00100010	
	OPT 3	00000001	
	OPT 4	00010000	
	EDID-CLK	MID	
	MIRROR	00 (See Option-Mirror)	
	AMR-SELECT	OFF	
VSUS		HIGH	See Vsus selection
AGING	ALL WHITE		Built-in test patterns can be displayed.
	ALL BLUE WITH WHITE OUTSIDE FRAME		
	ALL GREEN		
	ALL RED		
	LOW STEP WHITE		
	LOW STEP BLUE		
	LOW STEP GREEN		
	LOW STEP RED		
	WHITE DIAGONAL STRIPE		
	RED DIAGONAL STRIPE		
	GREEN DIAGONAL STRIPE		
	BLUE DIAGONAL STRIPE		
	A-ZONE & B-ZONE		
	1% WINDOW		
	COLOR BAR		
	9 POINTS BRIGHT MEASURE		
	2 DOT OUTSIDE FRAME		
	ALL BLUE		
	DOUBLE FIXED 1% WINDOW		
	VERTICAL LINE SCROLL		
	ON/OFF OR WHITE		
	R/G/B/W ROTATION		
	HALF FIXED ALL WHITE		
	ALL WHITE WITH COUNT DISPLAY		
SRV-TOOL		00	See Service tool mode

6.2. Option - Mirror

Picture can be reversed left and right or up and down.

00 : Default (Normal picture is displayed)

01 : Picture is reversed left and right.

02 : Picture is reversed up and down.

00



01



02



Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

6.3. Service tool mode

6.3.1. How to access

1. Select [SRV-TOOL] in Service Mode.
2. Press [OK] button on the remote control.

	SRV-TOOL	
Display of TD2Microcode version →	TD2Microcode:0200b105	
Display of Flash ROM maker code →	Flash ROM : AD - DA	
Display of SOS History →	PTCT : 00 . 00 . 00 . 00 . 00 .	Time 00000:40 Count 0000022

POWER ON TIME/COUNT
Press [MUTE] button (3 sec)

6.3.2. Display of SOS History

SOS History (Number of LED blinking) indication.

From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment. This indication will be cleared by [Self-check indication and forced to factory shipment setting].

6.3.3. POWER ON Time, Count

Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3 sec.

Time : Cumulative power on time, indicated hour : minute by decimal

Count : Number of ON times by decimal

Note : This indication will not be cleared by either of the self-checks or any other command.

6.3.4. Exit

1. Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

6.4. Hotel mode

1. Purpose

Restrict a function for hotels.

2. Access command to the Hotel mode setup menu

In order to display the Hotel mode setup menu:

While pressing [VOLUME (-)] button of the main unit, press [AV] button of the remote control three times within 2 seconds.

Then, the Hotel mode setup menu is displayed.

Hotel Mode	
Hotel Mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum VOL Level	100
Button Lock	Off
Remote Lock	Off
Private Information	Keep

Select
 Change  EXIT
 RETURN

3. To exit the Hotel mode setup menu

Disconnect AC power cord from wall outlet.

4. Explain the Hotel mode setup menu

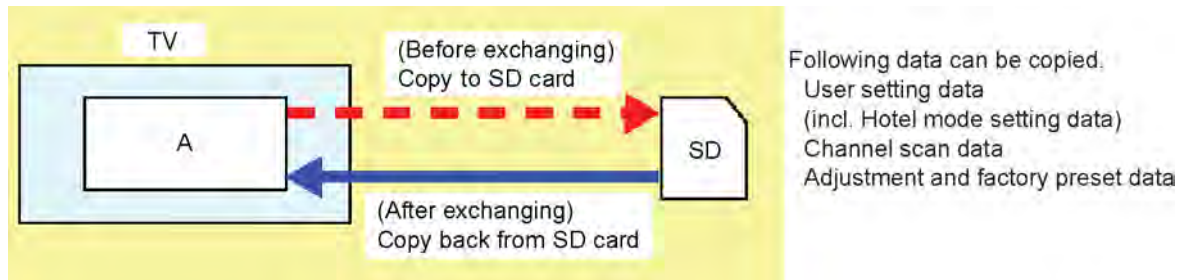
Item	Function
Hotel Mode	Select hotel mode On/Off
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection : Off/Analogue TV/Digital TV/AV1/AV2/AV3/PC/HDMI1/HDMI2/HDMI3/HDMI4 • Off: give priority to a last memory.
Initial POS	Select programme number. Selection : Off/0 to 99 • Off: give priority to a last memory
Initial VOL Level	Adjust the volume when each time power is switched on. Selection/Range : Off/0 to 100 • Off: give priority to a last memory
Maximum VOL Level	Adjust maximum volume. Range : 0 to 100
Button Lock	Select local key conditions. Selection : Off/SETUP/MENU/ALL • Off: altogether valid • SETUP: only F-key is invalid (Tuning guide (menu) can not be selected.) • MENU: only F-key is invalid (only Volume/Mute can be selected.) • ALL: altogether invalid.
Remote Lock	Select remote control key conditions. Selection : Off/SETUP/MENU • Off: altogether valid • SETUP: only Setup menu is invalid • MENU: Picture/Sound/Setup menu are invalid
Private Information	Select private information for VIERA Cast is Keep or Reset if Hotel mode is set to [On] when TV power on. Selection : Keep/Reset • Keep: private information for VIERA Cast is keep • Reset: private information for VIERA Cast is reset

6.5. Data Copy by SD Card

6.5.1. Purpose

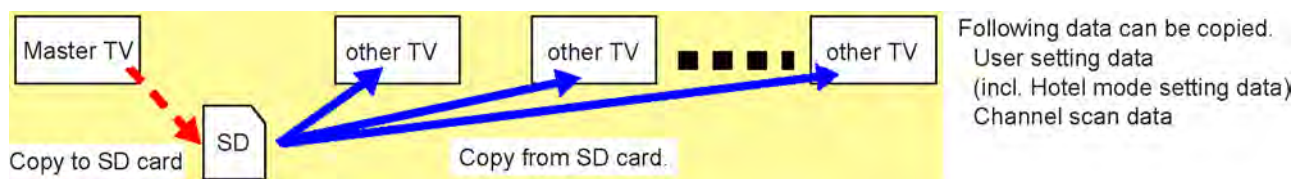
(a) Board replacement (Copy the data when exchanging A-board):

When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



(b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to SD card and then copy to other TVs.



6.5.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty SD card.

1. Insert a empty SD card to your PC.
2. Right-click a blank area in a SD card window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name for (a) or (b) and press ENTER.

File name:

(a) For Board replacement : boardreplace.pwd

(b) For Hotel : hotel.pwd

Note:

Please make only one file to prevent the operation error.

No any other file should not be in SD card.

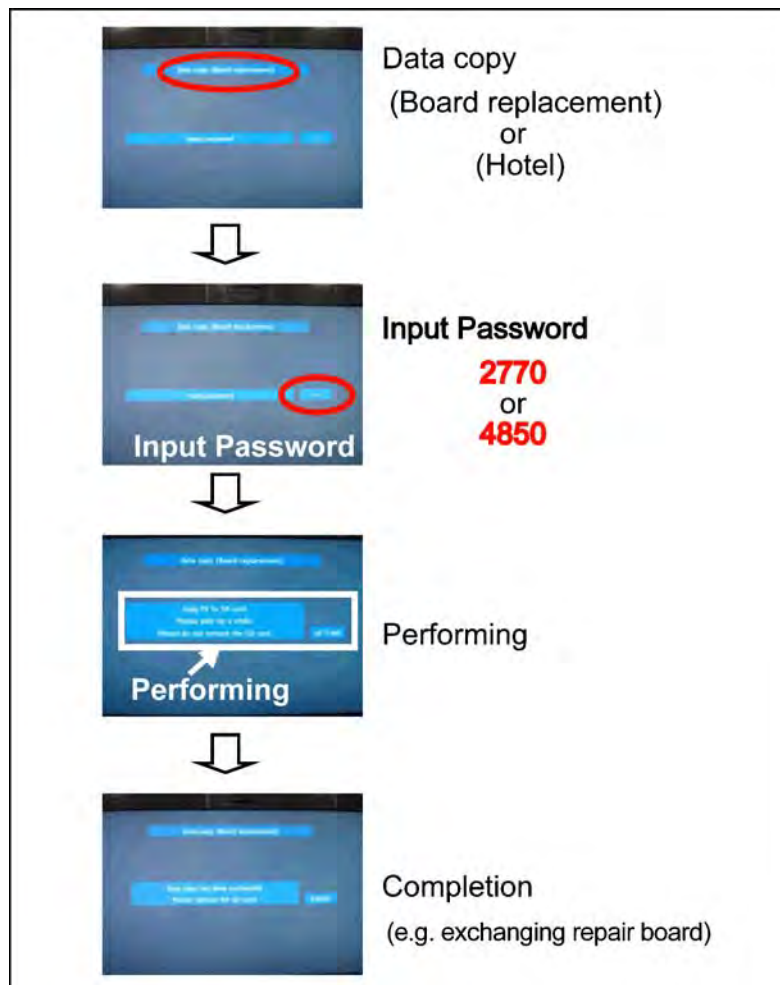
6.5.3. Data copy from TV set to SD Card

1. Turn on the TV set.
2. Insert SD card with a startup file (pwd file) to SD slot.
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.
 - (a) For Board replacement : 2770
 - (b) For Hotel : 4850
 Data will be copied from TV set to SD card.
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to SD card, remove SD card from TV set.
5. Turn off the TV set.

Note:

Following new folder will be created in SD card for data from TV set.

- (a) For Board replacement : user_setup
- (b) For Hotel : hotel

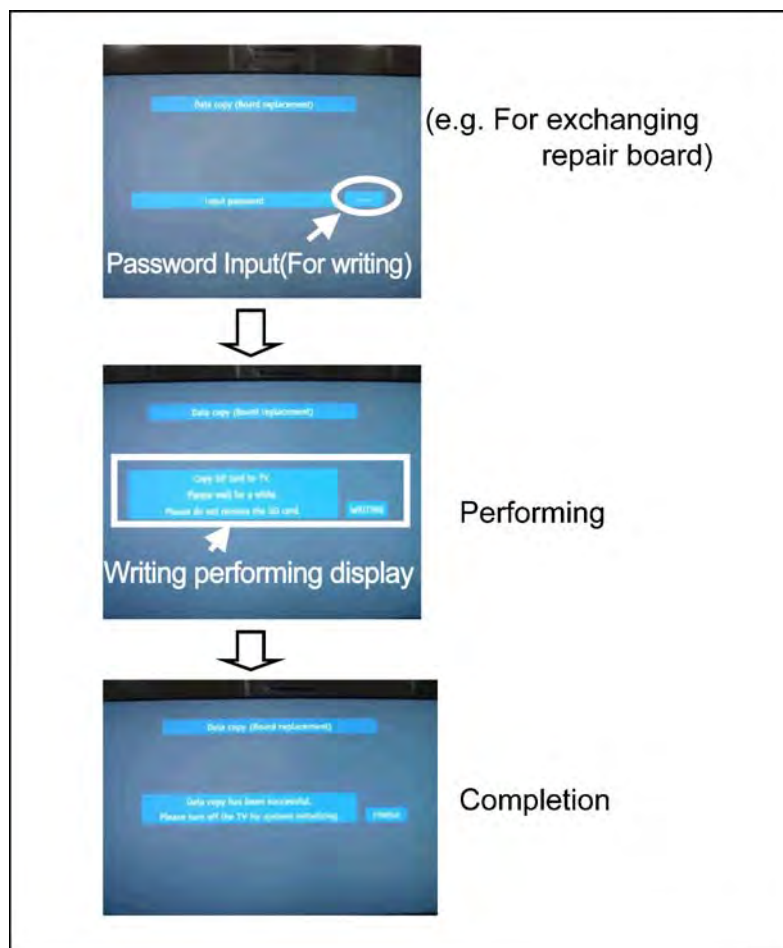


6.5.4. Data copy from SD Card to TV set

1. Turn on the TV set.
2. Insert SD card with Data to SD slot.
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.
 - (a) For Board replacement : 2771
 - (b) For Hotel : 4851
 Data will be copied from SD card to TV set.
4. After the completion of copying to SD card, remove SD card from TV set.
 - (a) For Board replacement : Data will be deleted after copying (Limited one copy).
 - (b) For Hotel : Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

Note:

1. Depending on the failure of boards, function of Data copy for board replacement does not work.
2. This function can be effective among the same model numbers.



7 Troubleshooting Guide

Use the self-check function to test the unit.

1. Checking the IIC bus lines
2. Power LED Blinking timing

7.1. Check of the IIC bus lines

7.1.1. How to access

7.1.1.1. Self-check indication only:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [OK] button on the remote control for more than 3 seconds.

7.1.1.2. Self-check indication and forced to factory shipment setting:

Caution:

New key will be generated and previous TV programmes recorded in USB HDD will not be viewed. (See Chap.5)

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

7.1.2. Screen display

42FHD SET		Panasonic 2011PDP			
		SELF CHECK COMPLETE			
		SYS SELECT : Australia			
TUN	OK	PEAKS-SOFT	*,***	SUM	*****
STBY	OK	PEAKS-EEP	**,***,***	MODEL ID	**
MEM1	OK	LSI-PACKAGE	*,***		*****
MEM2	OK	LSI-RELEASE	*,**		*****
AVSW	OK	STBY-SOFT	*,***,***		
TEMP	OK	STBY-EEP	*,***,***		
LAN	OK	STBY-ROMCORR	*,***,***		
ID	OK	PDP-MCU	*,***,***		
ID2	OK	PDP-EEP	*,***		
LP1	OK	PDP-DCC	*,***		
HDMI-SW	OK	PDP-PDROM	*,***		
IRDRV	OK				

7.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check P.C.B.
TUN	TU4801	TUNER	A-BOARD
STBY	IC8000	PEAKS-LDA3 (STM)	A-BOARD
MEM1	IC8902	PEAKS EEPROM	A-BOARD
MEM2	IC8901	STM EEPROM	A-BOARD
AVSW	IC3001	AUDIO/VIDEO SW	A-BOARD
TEMP	IC3753	TEMP SENSOR	A-BOARD
LAN	IC8601	ETHERPHY	A-BOARD
ID			A-BOARD
ID2			A-BOARD
LP1	IC9300	LP1	A-BOARD
HDMI-SW	IC4700	HDMI SW	A-BOARD
IRDRV	IC5901	IR LED DRIVER	A-BOARD

7.1.4. Exit

Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

7.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

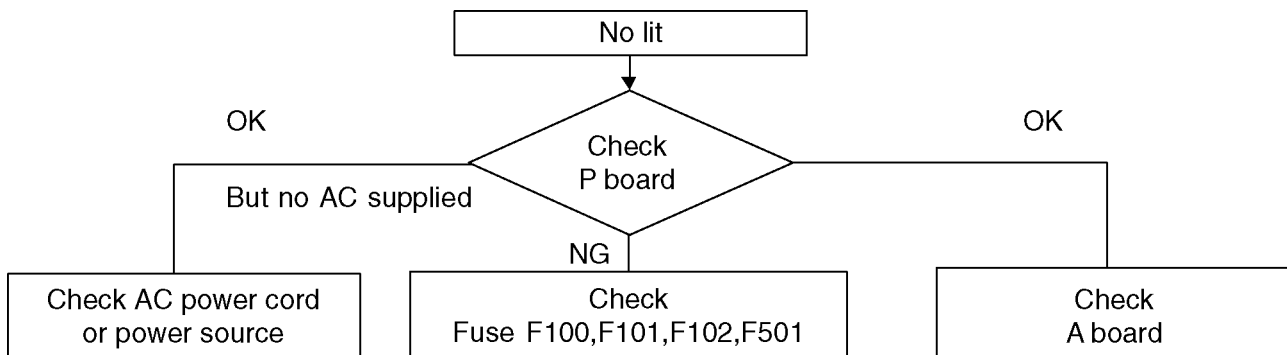
Blinking Times	Contents	Check point
1	Panel information SOS LP1 Start SOS	-
3	P+ 3.3V SOS	A-Board
4	Power SOS	P-Board
5	P+ 5V SOS	A-Board
6	Driver SOS1 (SN Energy recovery circuit) (A-SN FPC DET)	SN-Board A-SN FPC
7	Driver SOS2 (SN Connector DET) (SN Scan and Logic IC)	SN-Board
8	Driver SOS3 (SS FPC DET) (SS Energy recovery circuit)	SS-Board SS2-Board SS FPC SS2 FPC
9	Discharge Control SOS	A-Board
10	Sub 5V SOS Sub 3.3V SOS Tuner power SOS	A-Board SN-Board SS-Board P-Board
11	FAN SOS	A-Board FAN
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board
14	IROM SOS (ROM in Peaks IC)	A-Board P-Board

7.3. No Power

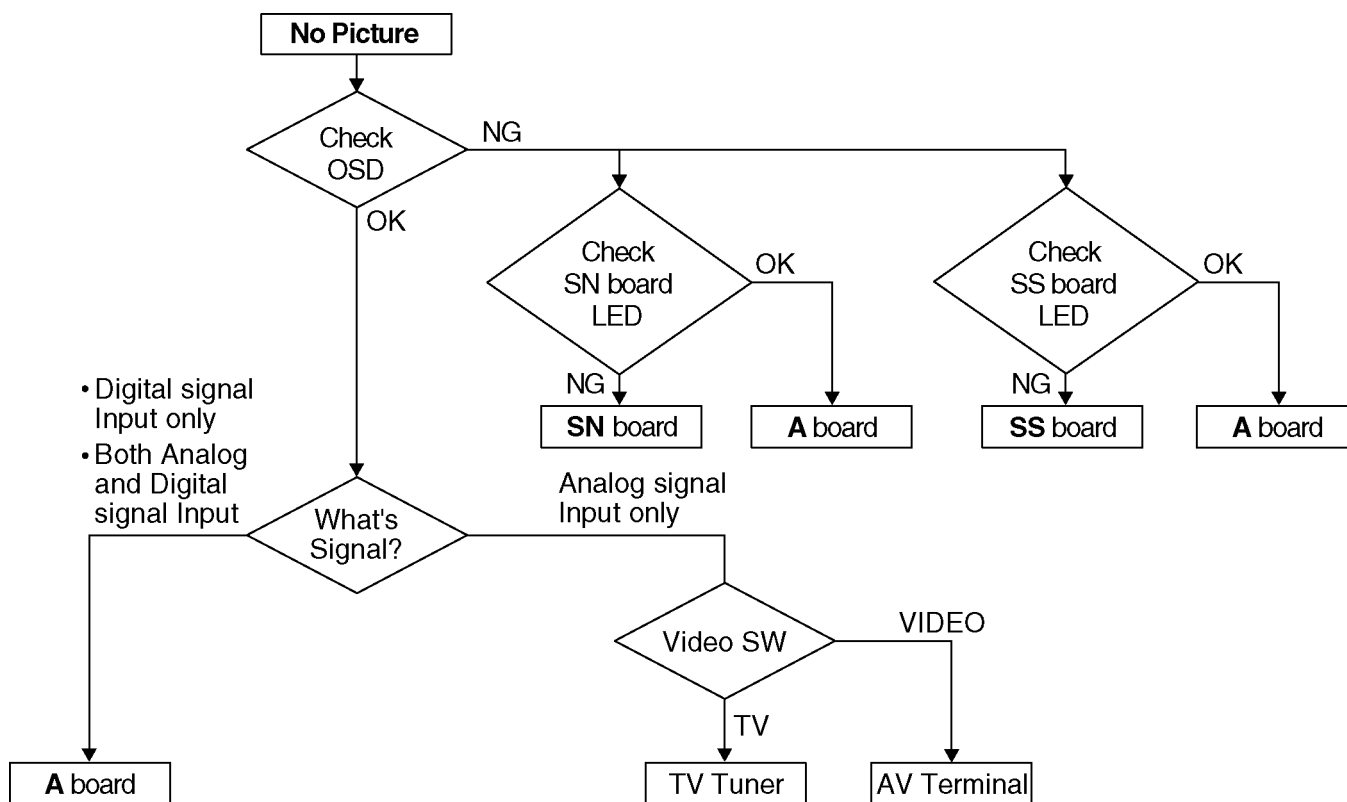
First check point

There are following 3 states of No Power indication by power LED.

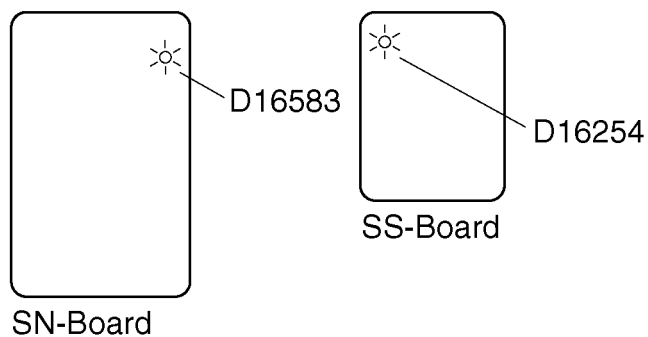
1. No lit.
2. Green is lit then turns red blinking a few seconds later. (See 7.2.)
3. Only red is lit.



7.4. No Picture



Drive circuits LED indicator



7.5. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.

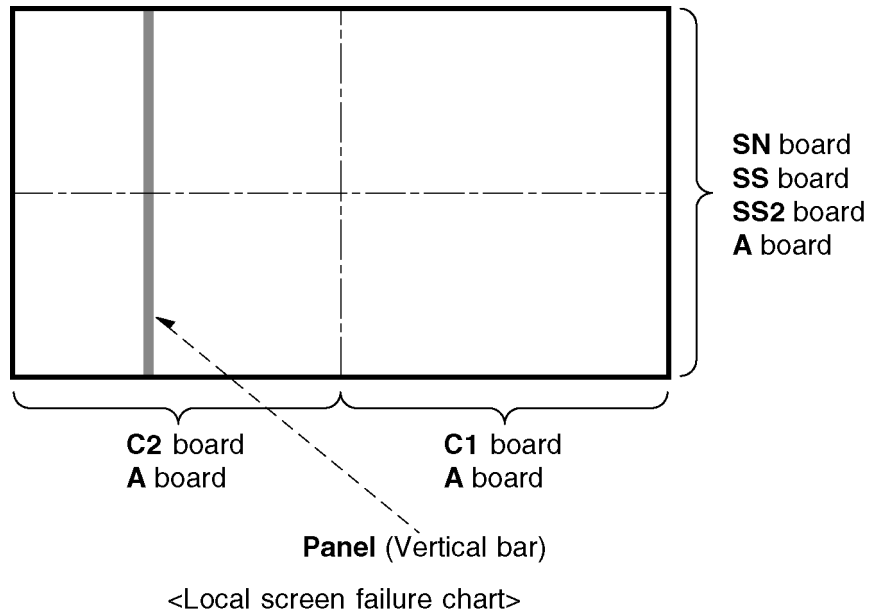


Fig-1

8 Disassembly and Assembly Instructions

8.1. Remove the Rear cover

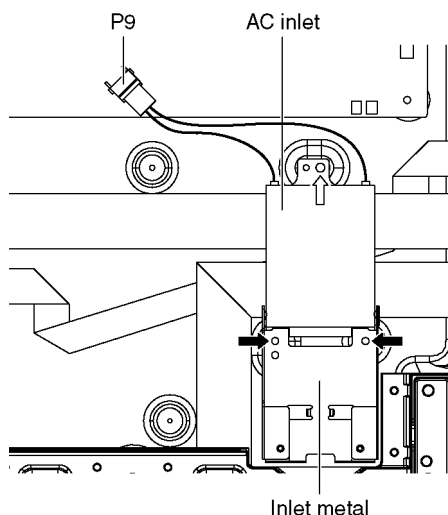
1. See PCB Layout (Section 3)

8.2. Remove the AC inlet

Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable.
2. Disconnect the connector (P9).
3. Remove the screws (×2 ➡) and remove the Inlet metal.
4. Remove the screw (×1 ⇨) and remove the AC inlet.

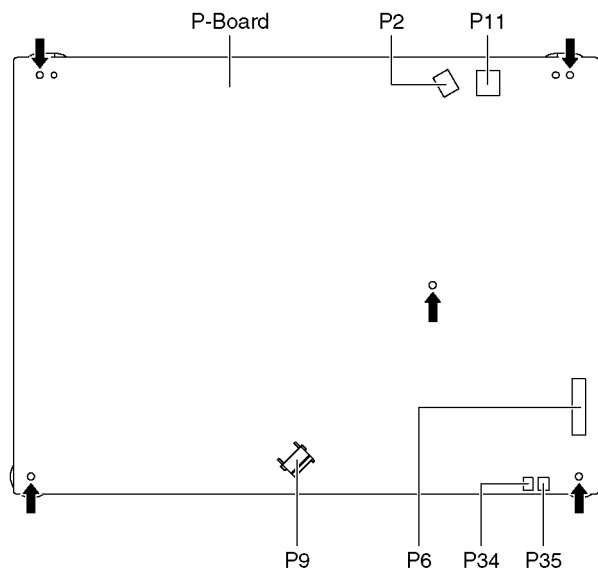


8.3. Remove the P-Board

Caution:

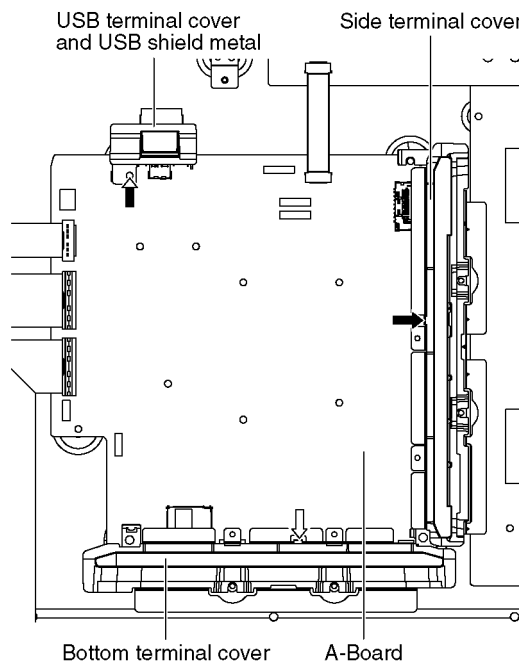
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P2, P6, P11, P34 and P35).
3. Remove the screws (×5 ➡) and remove the P-Board.

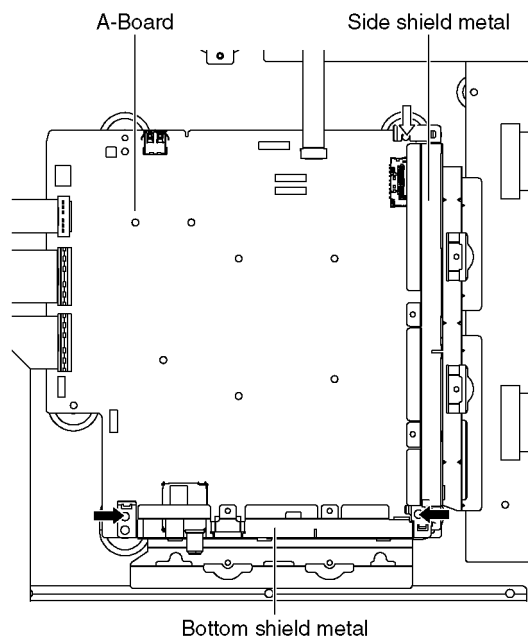


8.4. Remove the Terminal covers and the shield metals

1. Remove the claw (×1 ➡).
2. Remove the Side terminal cover.
3. Remove the claw (×1 ⇨).
4. Remove the Bottom terminal cover.
5. Remove the screw (×1 ➡).
6. Remove the USB terminal cover and USB shield metal.

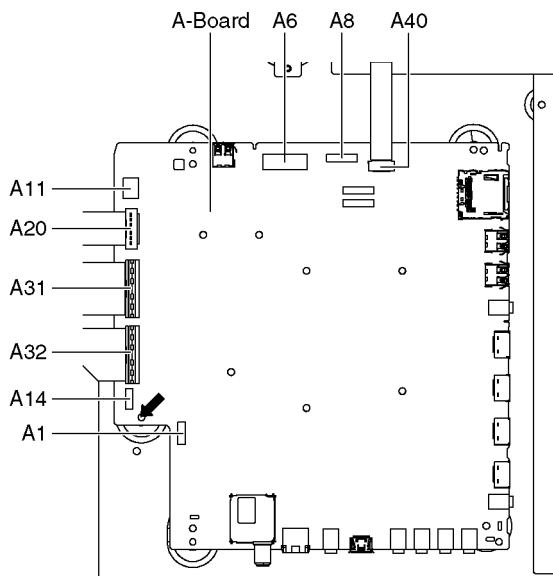


7. Remove the screws (×2 ➡).
8. Remove the Bottom shield metal.
9. Remove the screw (×1 ⇨).
10. Remove the Side shield metal.



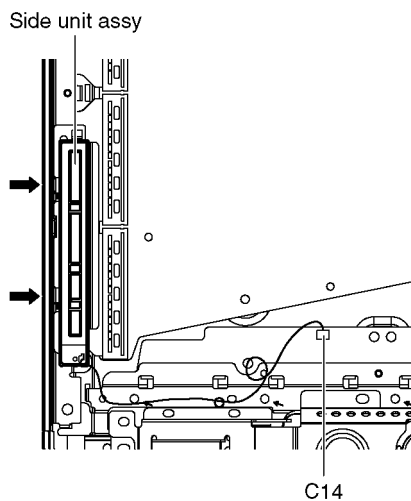
8.5. Remove the A-Board

1. Remove the Terminal covers and the Shield metals. (See section 8.4.)
2. Unlock the cable clampers to free the cable.
3. Disconnect the connectors (A1, A6, A8, A11 and A14).
4. Disconnect the flexible cables (A20, A31, A32 and A40).
5. Remove the screw (×1 ➡) and remove the A-Board.

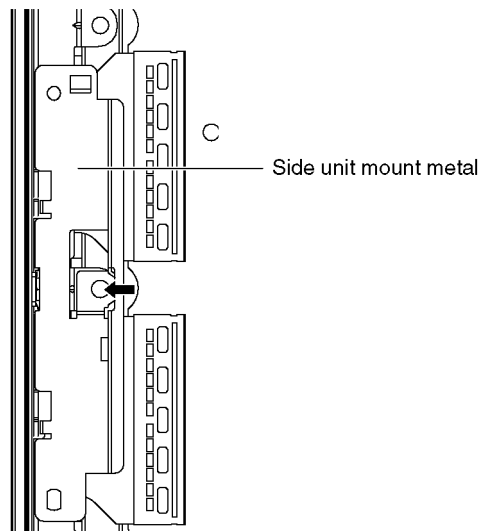


8.6. Remove the Side unit assy

1. Disconnect the connector (C14).
2. Remove the claws (×2 ➡) and remove the Side unit assy.

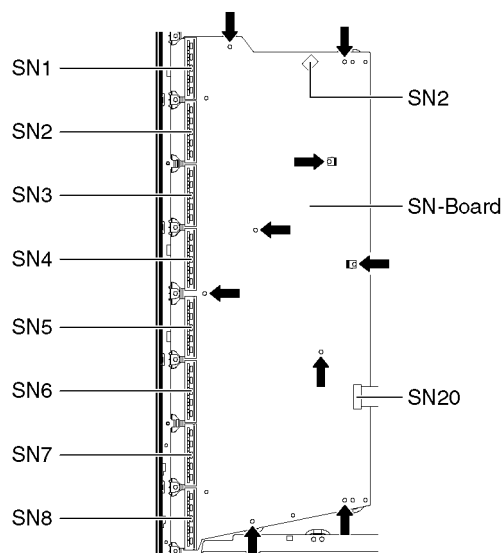


3. Remove the screw (×1 ➡).
4. Remove the Side unit mount metal.



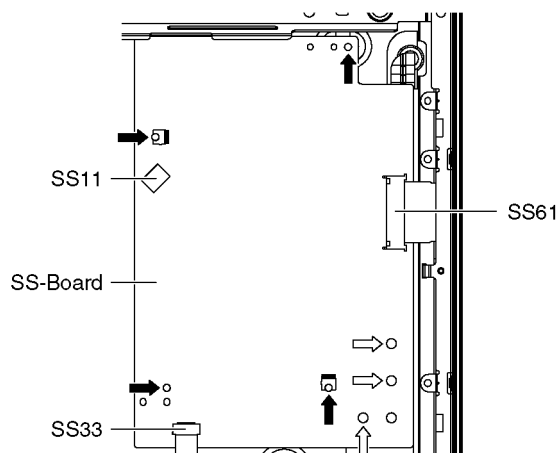
8.7. Remove the SN-Board

1. Disconnect the flexible cables (SN1, SN2, SN3, SN4, SN5, SN6, SN7 and SN8) connected to the SN-Board.
2. Disconnect the connector (SN2).
3. Disconnect the flexible cable (SN20).
4. Remove the screws (×9 ➡) and remove the SN-Board.



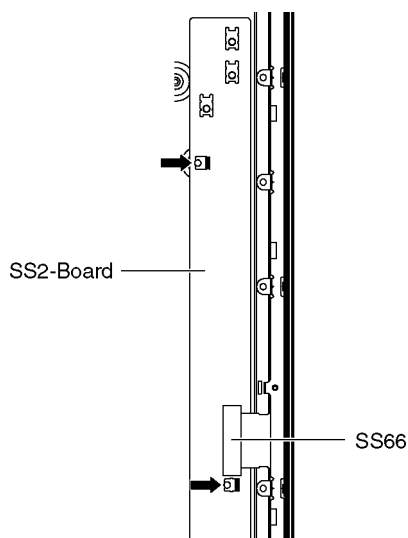
8.8. Remove the SS-Board

1. Disconnect the connector (SS11).
2. Disconnect the flexible cable (SS33).
3. Disconnect the flexible cable (SS61).
4. Remove the screws ($\times 4 \rightarrow$, $\times 3 \rightarrow$) and remove the SS-Board.



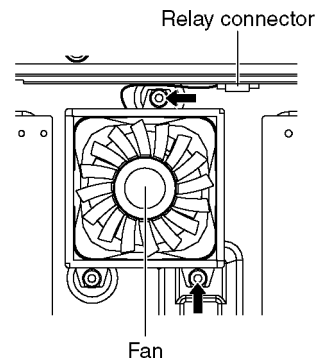
8.9. Remove the SS2-Board

1. Disconnect the Terminal covers and the Shield metals (See section 8.4.).
2. Remove the SS-Board (See section 8.8.).
3. Disconnect the flexible cable (SS66).
4. Remove the screws ($\times 2 \rightarrow$) and remove the SS2-Board.



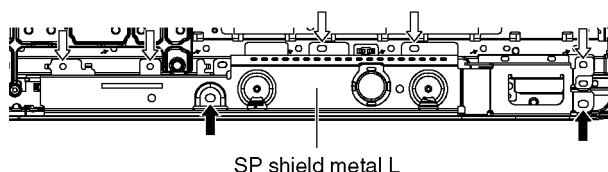
8.10. Remove the Fan

1. Unlock the cable clampers to free the cable.
2. Remove the screws ($\times 2 \rightarrow$).
3. Remove the Relay connector and remove the Fan.

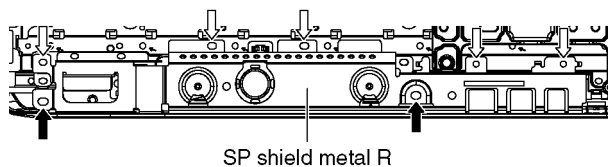


8.11. Remove the Speakers

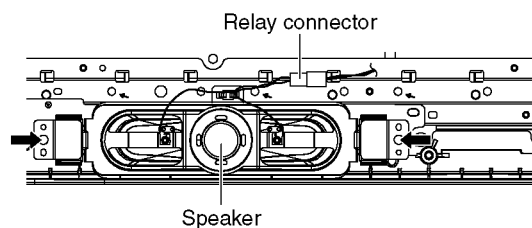
1. Unlock the cable clampers to free the cable.
2. Remove the screws ($\times 2 \rightarrow$, $\times 5 \rightarrow$) and remove the SP shield metal L.



3. Remove the screws ($\times 2 \rightarrow$, $\times 5 \rightarrow$) and remove the SP shield metal R.

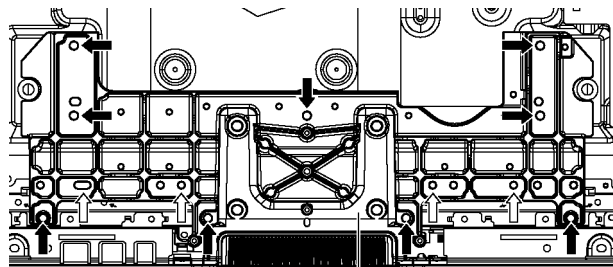


4. Disconnect the Relay connector.
5. Remove the screws ($\times 2 \rightarrow$ each) and remove the Speakers (L, R).



8.12. Remove the Stand bracket

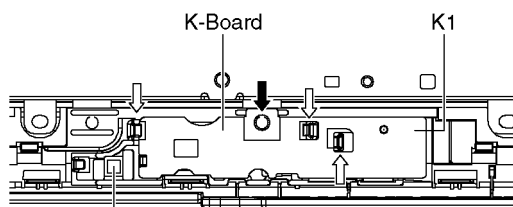
1. Remove the Plasma panel section from the servicing stand and lay on a flat surface such as a table (covered by a soft cloth) with the Plasma panel surface facing downward.
2. Unlock the cable clampers to free cable.
3. Remove the Stand bracket fastening screws (×9 ➡, ×4 ⇨) and the Stand bracket.



Stand bracket

8.13. Remove the K-Board

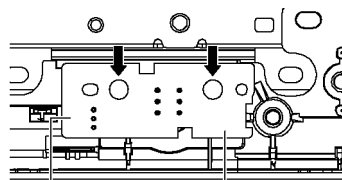
1. Remove the SP shield metal L. (See section 8.11.)
2. Remove the Stand bracket. (See section 8.12.)
3. Remove the screw (×1 ➡).
4. Remove the claws (×3 ⇨).
5. Disconnect the connector (K1) and remove the K-Board from the LED panel.



LED panel

8.14. Remove the S-Board

1. Remove the SP shield metal L. (See section 8.11.)
2. Remove the screws (×2 ➡).
3. Disconnect the connector (S10) and remove the S-Board.

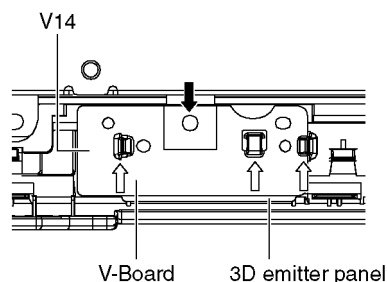


S10

S-Board

8.15. Remove the V-Board

1. Remove the SP shield metal R. (See section 8.11.)
2. Remove the Stand bracket. (See section 8.12.)
3. Remove the screw (×1 ➡) and remove the claws (×3 ⇨).
4. Disconnect the connector (V14) and remove the V-Board from the 3D emitter panel.



V-Board

3D emitter panel

8.16. Remove the Bottom cabinet assy

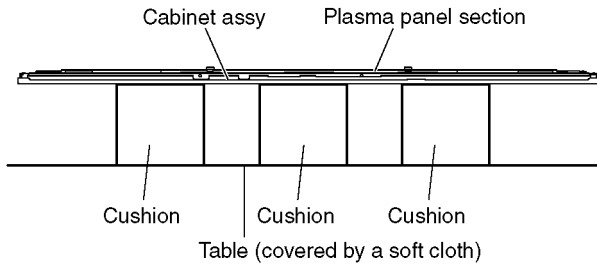
1. Remove the Speakers. (See section 8.11.)
2. Remove the Stand bracket. (See section 8.12.)
3. Remove the K, S and V-Board. (See section 8.13 - 15.)
4. Remove the screws (×2 ➡) and remove the Bottom cabinet assy.



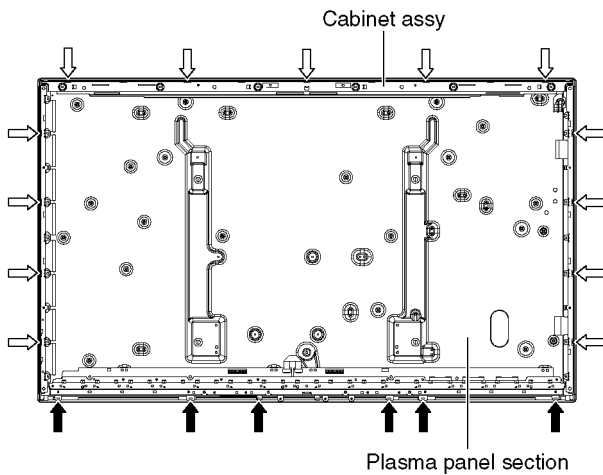
Bottom cabinet assy

8.17. Remove the Plasma panel section from the Cabinet assy

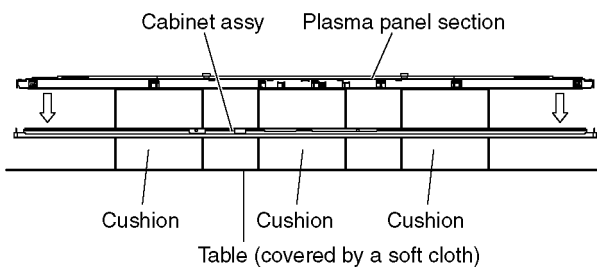
1. Place the Cabinet assy on a flat surface of a table (covered by a soft cloth) and a cushion.



2. Remove the Bottom cabinet assy. (See section 8.16.)
3. Remove the screws ($\times 6 \Rightarrow$, $\times 13 \Rightarrow$).

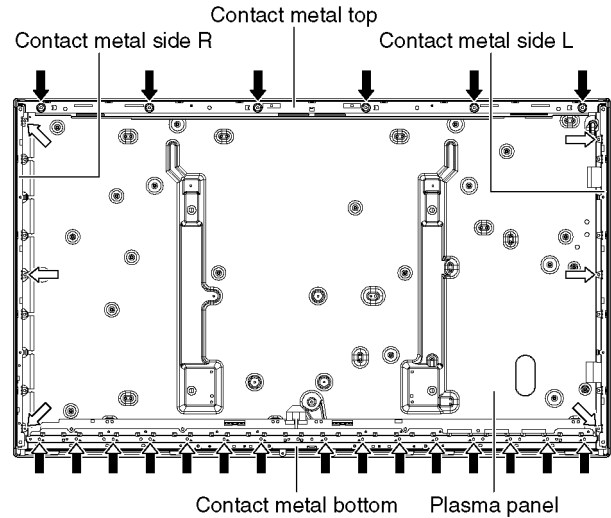


4. Remove the Plasma panel section from the Cabinet assy.



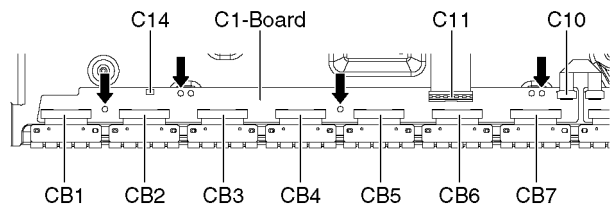
8.18. Remove the Contact metals

1. Remove the Cabinet assy. (See section 8.17.)
2. Remove the Tape from the Contact metals.
3. Remove the screws ($\times 6 \Rightarrow$).
4. Remove the Contact metal side (L, R).
5. Remove the screws ($\times 6 \Rightarrow$).
6. Remove the Contact metal top.
7. Remove the screws ($\times 15 \Rightarrow$).
8. Remove the Contact metal bottom.



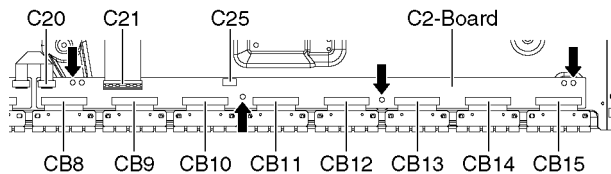
8.19. Remove the C1-Board

1. Remove the Contact metal bottom. (See section 8.18.)
2. Disconnect the flexible cables (CB1, CB2, CB3, CB4, CB5, CB6 and CB7).
3. Disconnect the flexible cables (C10 and C11).
4. Disconnect the connector (C14).
5. Remove the screws ($\times 4 \Rightarrow$) and remove the C1-Board.



8.20. Remove the C2-Board

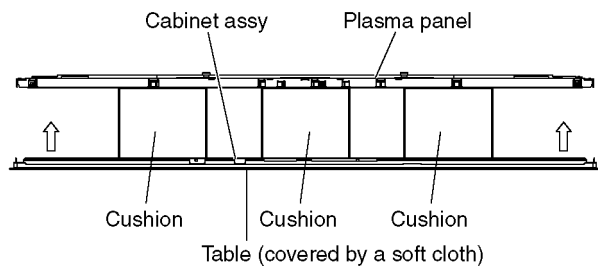
1. Remove the Contact metal bottom. (See section 8.18.)
2. Disconnect the flexible cables (CB8, CB9, CB10, CB11, CB12, CB13, CB14 and CB15).
3. Disconnect the flexible cables (C20 and C21).
4. Disconnect the connector (C25).
5. Remove the screws (×4 ➡) and remove the C2-Board.



8.21. Replace the Plasma panel

Caution:

Place the Plasma panel on a flat surface of a table (covered by a soft cloth) and a cushion.



A new Plasma panel itself without Contact metals is fragile. To avoid the damage to new Plasma panel, carry a new Plasma panel taking hold of the Contact metals.

1. Place a carton box packed a new Plasma panel on the flat surface of the work bench.
2. Open a box and without taking a new Plasma panel.
3. Attach the Cabinet assy and each P.C.Board and so on, to the new Plasma panel.

9 Measurements and Adjustments

9.1. Adjustment

9.1.1. Vsus selection

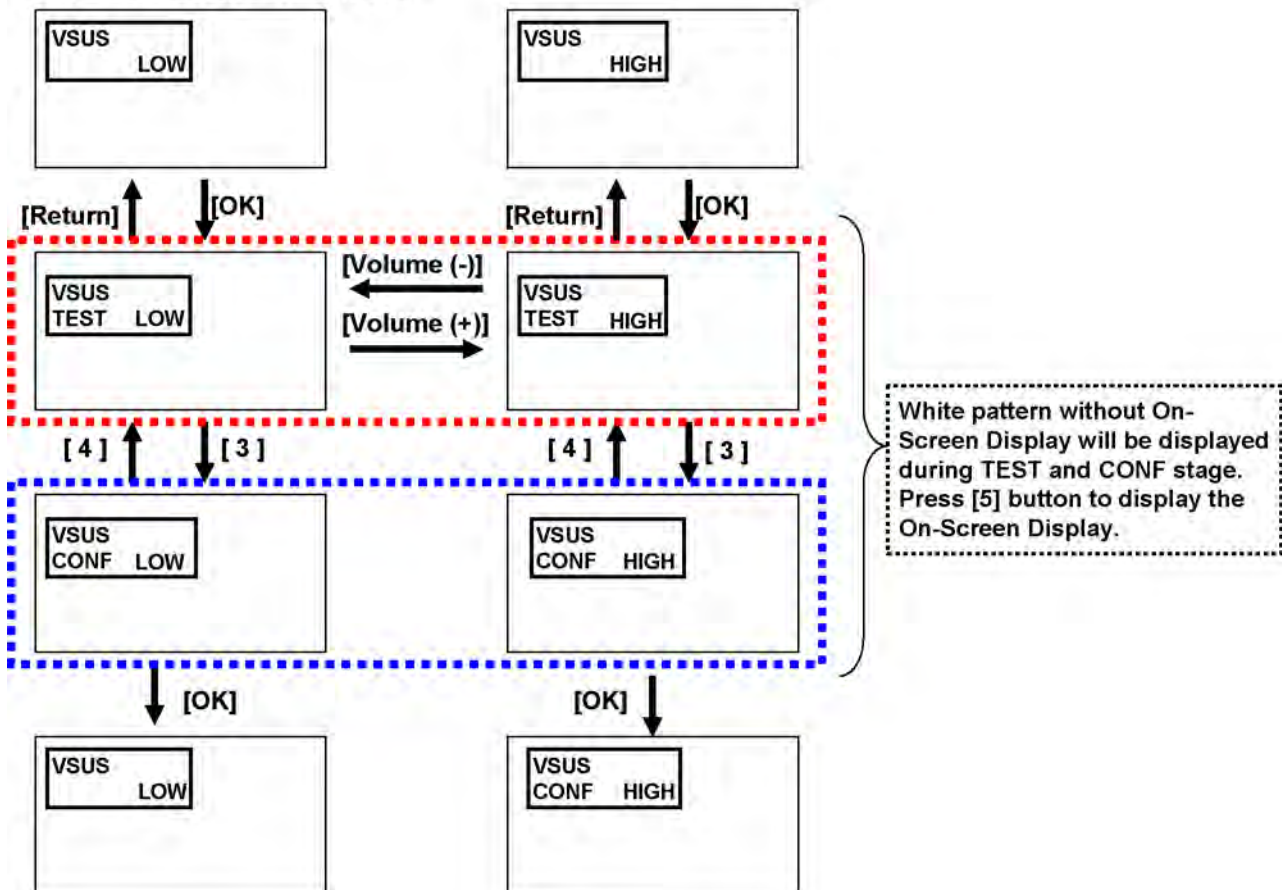
Caution:

When Plasma panel or A-board is replaced, Vsus should be set to LOW or HIGH.

Procedure

1. Go into main item [VSUS] in Service Mode. LOW or HIGH will be displayed.
2. Press [OK] button to go to TEST stage.
White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. Press [VOL (-)] button to set to LOW.
4. In LOW setting
 - a. If no several dead pixel is visible remarkably in white pattern, press [3] button to go to CONF stage.
 - b. If the several dead pixels are visible remarkably in white pattern, Set to HIGH by press [VOL (+)] button. Press [3] button to go to CONF stage if the symptom is improved.
5. Press [OK] button in CONF stage to store LOW or HIGH.
6. Exit Service Mode by pressing [Power] button.

Vsus selection in Service mode



9.1.2. Sub-Contrast adjustment

Name of measuring instrument	Connection	Remarks
RF generator Base Band signal generator HD signal generator		
Steps		Remarks
Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of TV (RF system) Note: In adjustment, you must setting to modulation of signal at 87.5%. 1. Receive a RF PAL 100% Full White or Split Colour bar shown as below. 2. Goes into service mode. 3. Push a [1] or [2] key, and goes into adjustment mode for [CONTRAST]. Adjustment 1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. 4. End.		Note: Sub-contrast adjustment is unadjusted for AV/ HD input. But, when needing the adjustment chosen manually, please refer to [alternative method].

Steps	Remarks
<u>Another procedure</u> Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of AV system 1. PAL 100% Full White or Split Colour bar receive AV1(or AV2), shown as below. 2. Goes into service mode. 3. Push [1] or [2] key, and goes into adjustment mode for [CONTRAST]. Adjustment 1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. 4. End.	

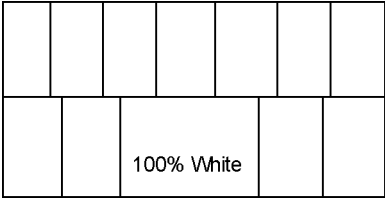
Steps	Remarks
Another procedure Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of HD system - At 1080i 100% Full White or Split colour bar receive component signal, as shown below.  - Goes into service mode. - Push [1] or [2] key, and goes into adjustment mode for [CONTRAST]. Adjustment - The colour key yellow button of remote control is pushed. - The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) - The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. - End.	

Table1, Sub-contrast Adjustmnet initial data in Peaks EEPROM

06E0	Y Gain Standard for NTSC-G:RF (L)	Setting data
06E1	Y Gain Standard for NTSC-G:RF (H)	
06E2	Y Gain Standard for PAL-G:RF (L)	
06E3	Y Gain Standard for PAL-G:RF (H)	
06E4	Y Gain Standard for NTSC-G:ELSE (L)	
06E5	Y Gain Standard for NTSC-G:ELSE (H)	
06E6	Y Gain Standard for PAL-G:ELSE (L)	
06E7	Y Gain Standard for PAL-G:ELSE (H)	
06E8	Y Gain Standard for YUV (L)	
06E9	Y Gain Standard for YUV (H)	

9.1.3. THX white balance adjustment

The adjusting method is different according to the PEAKS EEPROM version.

[copy adjustment] : Peaks EEPROM ver.1.00-

[Differential (Normal) + copy + WARM adjustment] : Peaks EEPROM ver.1.-**

Name of measuring instrument	Connection	Remarks
W/ B pattern Color analyzer (Minolta CA-100 or equivalent)	Panel surface	
Steps		Remarks
[copy adjustment] Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. • Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little color variation. Note: Copy Adjustment method in service mode. When you push [OK] key in each item, Adjustment data is copied between HD data and SD data.		Picture menu : Dynamic ASPECT : 16:9 Condition is same at alternative method too.

Steps	Remarks
1. Enter the Service mode. Please receive the Analog-RF. Or, please select CVBS/YUV/HDMI. (No inputting is possible.). (Forbid Analog-RF with no signal.) 2. A number key [1] or [2] are operated and [WB-ADJ] is displayed. Check that the color temp is [COOL]. 3. A number key [0] is operated and select [METHOD 01]. 4. A number key [5] is operated and [INNER PATTERN] is displayed. [INNER PATTERN] 5. Select [G-CUTOFF] item, using the number-key [3] or [4], and set to [80], using the volume-key [+] or [-]. Also, [B-CUTOFF] and [R-CUTOFF] set to [80]. 6. Set [G-DRIVE] at [D0]. 7. Touch the signal receiver of color analyzer to the INNER PATTERN center, and adjust B drive and R drive so x, y become the [COLOR TEMP COOL] in the below table1. 8. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 9. Set color balance to [NORMAL] using [7] key. 10. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80]. 11. Set [G-DRIVE] at [D0]. 12. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP NORMAL] in the table 1. 13. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 14. Set color balance to [WARM] using [7] key. 15. Set Picture menu to [CINEMA] using [9] key. 16. A number key [5] is operated and [INNER PATTERN] is displayed. [INNER PATTERN] 17. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80]. 18. Set [G-DRIVE] at [D0]. 19. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP WARM] in the table 1. 20. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 21. Confirm [METHOD=01]. Please refer table2-3 to address. 22. Asking matter to execute white balance difference adjustment. Please feed back the DAC value in the adjusted each color temperature in an internal pattern.	METHOD=01 copy adjustments

Steps	Remarks
[Differential (Normal) + copy + WARM adjustment] Adjustment of [COOL], [WARM] by data shift from [NORMAL] adjust. And only [WARM] is readjusted. Execute adjustment for color temp. [NORMAL], and set data for color temp. [COOL], [WARM] by data shift WB of HD (or PAL) copies the adjustment data from an adjusted format side. Note: The adjustment does color temp. [NORMAL] first. A adjustment value difference from [NORMAL] is written to EEPROM as for [COOL] and [WARM] by operating a [OK] key. As for WB of HD (or RF), the adjustment data from an adjusted format side is copied simultaneously. Text color of the adjusted value changes into red -> black at the same time too. And only [WARM] is readjusted.	
1. Enter the Service mode. Please receive the Analog-RF. Or, please select CVBS/YUV/HDMI. (No inputting is possible.) (Forbid Analog-RF with no signal.) 2. A number key [1] or [2] are operated and [WB-ADJ] is displayed. Check that the color balance is [NORMAL]. 3. A number key [0] is operated and select [METHOD=03]. 4. A number key [5] is operated and [INNER PATTERN] is displayed. [INNER PATTERN] 5. Select [G-CUTOFF] item, using the number-key [3] or [4], and set to [80], using the volume-key [+] or [-]. Also, [B-CUTOFF] and [R-CUTOFF] set to [80]. 6. Set [G-DRIVE] at [D0]. 7. Touch the signal receiver of color analyzer to the highlight window center, and adjust B drive and R drive so x, y become the [COLOR TEMP NORMAL] in the table 1. 8. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 9. A number key [0] is operated and select [METHOD=01]. 10. Set color balance to [WARM] using [7] key. 11. Set Picture menu to [CINEMA] using [9] key. 12. A number key [5] is operated and [INNER PATTERN] is displayed. [INNER PATTERN] 13. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80]. 14. Set [G-DRIVE] at [D0]. 15. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP WARM] in the table 1. 16. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].) 17. Confirm [METHOD=01]. Please refer table2-3 to address.	METHOD=03 Differential (Normal) + copy + WARM adjustment METHOD=01 copy adjustment

Table 1-1, Color temp. target value (This data is target data by CA-100 PAVCTH.)

COLOR TEMP	x	y
COOL	0.268	0.267
NORMAL	0.290	0.292
WARM	0.316	0.324

Table 1-2, Color temp. target value (This data is target data by CS-2000 PAVCTH.)

COLOR TEMP	x	y
COOL	0.267	0.269
NORMAL	0.288	0.296
WARM	0.313	0.329

Table 2, Peaks EEP addresses (adjustment data)

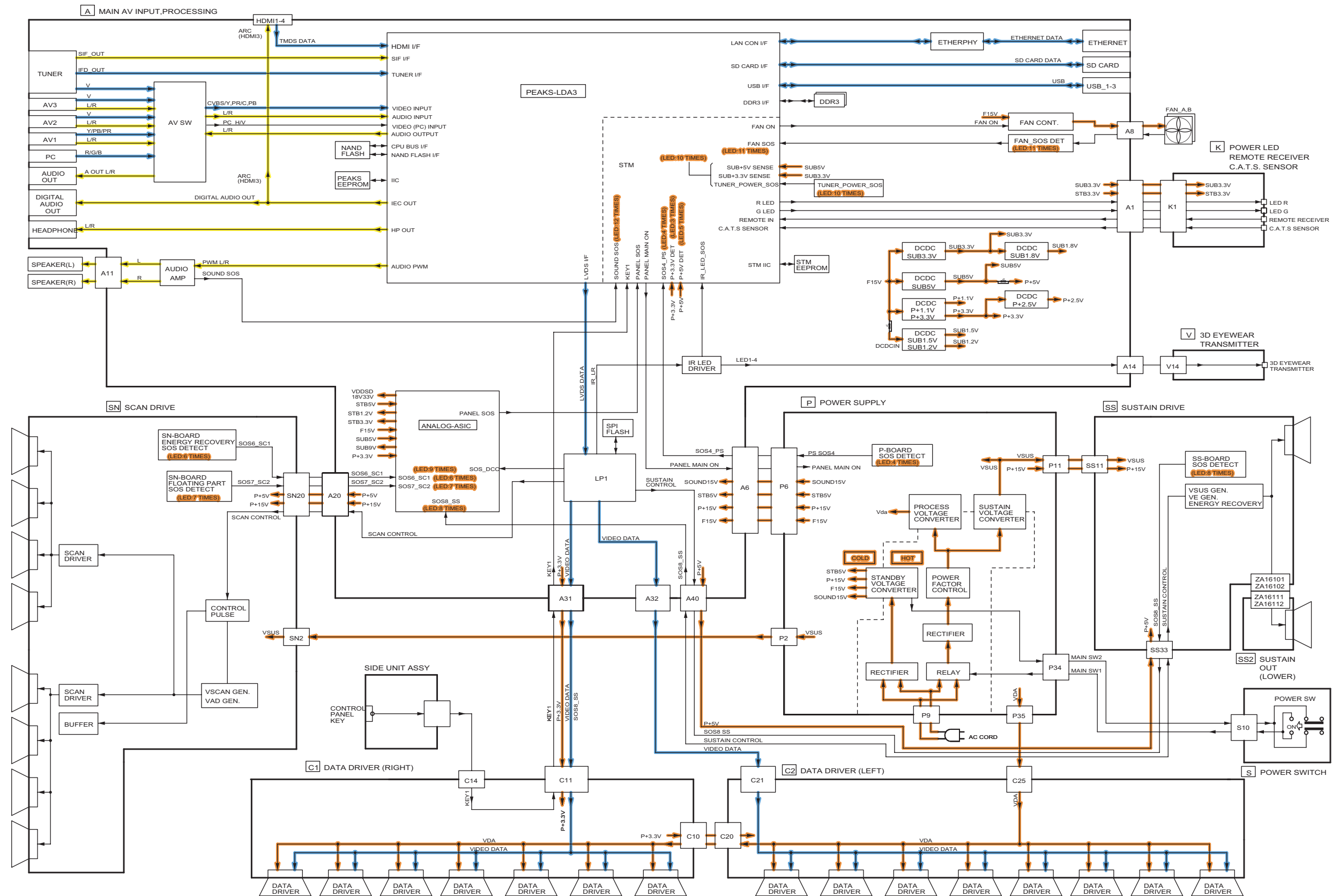
signal / temp	Meaning of value	address
SD High	R-Cutoff for SD High	A0-070c
	G-Cutoff for SD High	A0-070d
	B-Cutoff for SD High	A0-070e
	R-Drive for SD High	A0-070f
	G-Drive for SD High	A0-0710
	B-Drive for SD High	A0-0711
SD Middle	R-Cutoff for SD Middle	A0-0712
	G-Cutoff for SD Middle	A0-0713
	B-Cutoff for SD Middle	A0-0714
	R-Drive for SD Middle	A0-0715
	G-Drive for SD Middle	A0-0716
	B-Drive for SD Middle	A0-0717
SD Low	R-Cutoff for SD Low	A0-0718
	G-Cutoff for SD Low	A0-0719
	B-Cutoff for SD Low	A0-071a
	R-Drive for SD Low	A0-071b
	G-Drive for SD Low	A0-071c
	B-Drive for SD Low	A0-071d
HD High	R-Cutoff for HD High	A0-071e
	G-Cutoff for HD High	A0-071f
	B-Cutoff for HD High	A0-0720
	R-Drive for HD High	A0-0721
	G-Drive for HD High	A0-0722
	B-Drive for HD High	A0-0723
HD Middle	R-Cutoff for HD Middle	A0-0724
	G-Cutoff for HD Middle	A0-0725
	B-Cutoff for HD Middle	A0-0726
	R-Drive for HD Middle	A0-0727
	G-Drive for HD Middle	A0-0728
	B-Drive for HD Middle	A0-0729
HD Low	R-Cutoff for HD Low	A0-072a
	G-Cutoff for HD Low	A0-072b
	B-Cutoff for HD Low	A0-072c
	R-Drive for HD Low	A0-072d
	G-Drive for HD Low	A0-072e
	B-Drive for HD Low	A0-072f

Table 3, Peaks EEP addresses (DIFF setting)

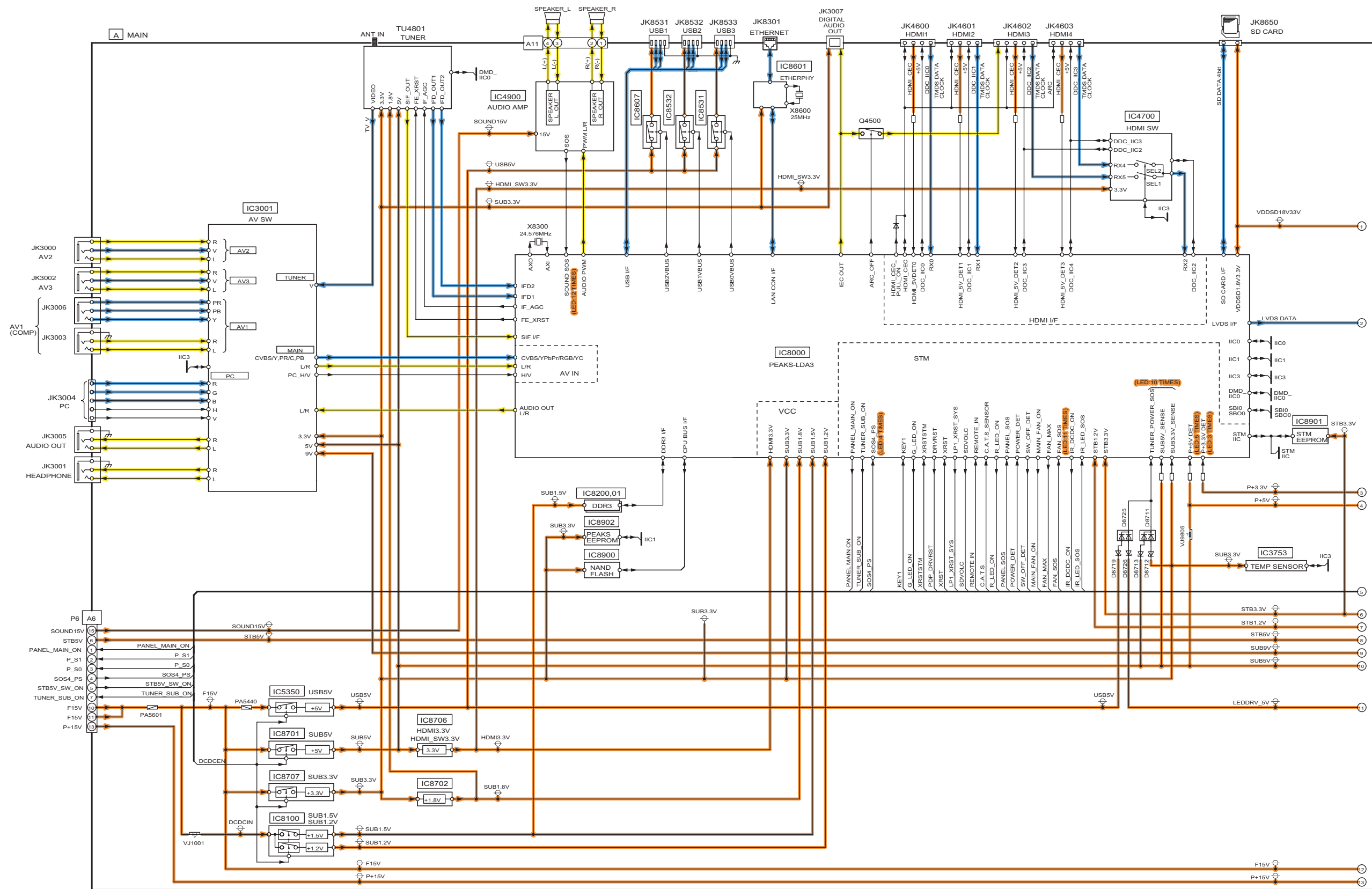
signal / temp	Meaning of value	address
SD High	R-Cutoff difference for SD High	A0-0730
	G-Cutoff difference for SD High	A0-0731
	B-Cutoff difference for SD High	A0-0732
	R-Drive difference for SD High	A0-0733
	G-Drive difference for SD High	A0-0734
	B-Drive difference for SD High	A0-0735
SD Middle	R-Cutoff difference for SD Middle	A0-0736
	G-Cutoff difference for SD Middle	A0-0737
	B-Cutoff difference for SD Middle	A0-0738
	R-Drive difference for SD Middle	A0-0739
	G-Drive difference for SD Middle	A0-073a
	B-Drive difference for SD Middle	A0-073b
SD Low	R-Cutoff difference for SD Low	A0-073c
	G-Cutoff difference for SD Low	A0-073d
	B-Cutoff difference for SD Low	A0-073e
	R-Drive difference for SD Low	A0-073f
	G-Drive difference for SD Low	A0-0740
	B-Drive difference for SD Low	A0-0741
HD High	R-Cutoff difference for HD High	A0-0742
	G-Cutoff difference for HD High	A0-0743
	B-Cutoff difference for HD High	A0-0744
	R-Drive difference for HD High	A0-0745
	G-Drive difference for HD High	A0-0746
	B-Drive difference for HD High	A0-0747
HD Middle	R-Cutoff difference for HD Middle	A0-0748
	G-Cutoff difference for HD Middle	A0-0749
	B-Cutoff difference for HD Middle	A0-074a
	R-Drive difference for HD Middle	A0-074b
	G-Drive difference for HD Middle	A0-074c
	B-Drive difference for HD Middle	A0-074d
HD Low	R-Cutoff difference for HD Low	A0-074e
	G-Cutoff difference for HD Low	A0-074f
	B-Cutoff difference for HD Low	A0-0750
	R-Drive difference for HD Low	A0-0751
	G-Drive difference for HD Low	A0-0752
	B-Drive difference for HD Low	A0-0753

10 Block Diagram

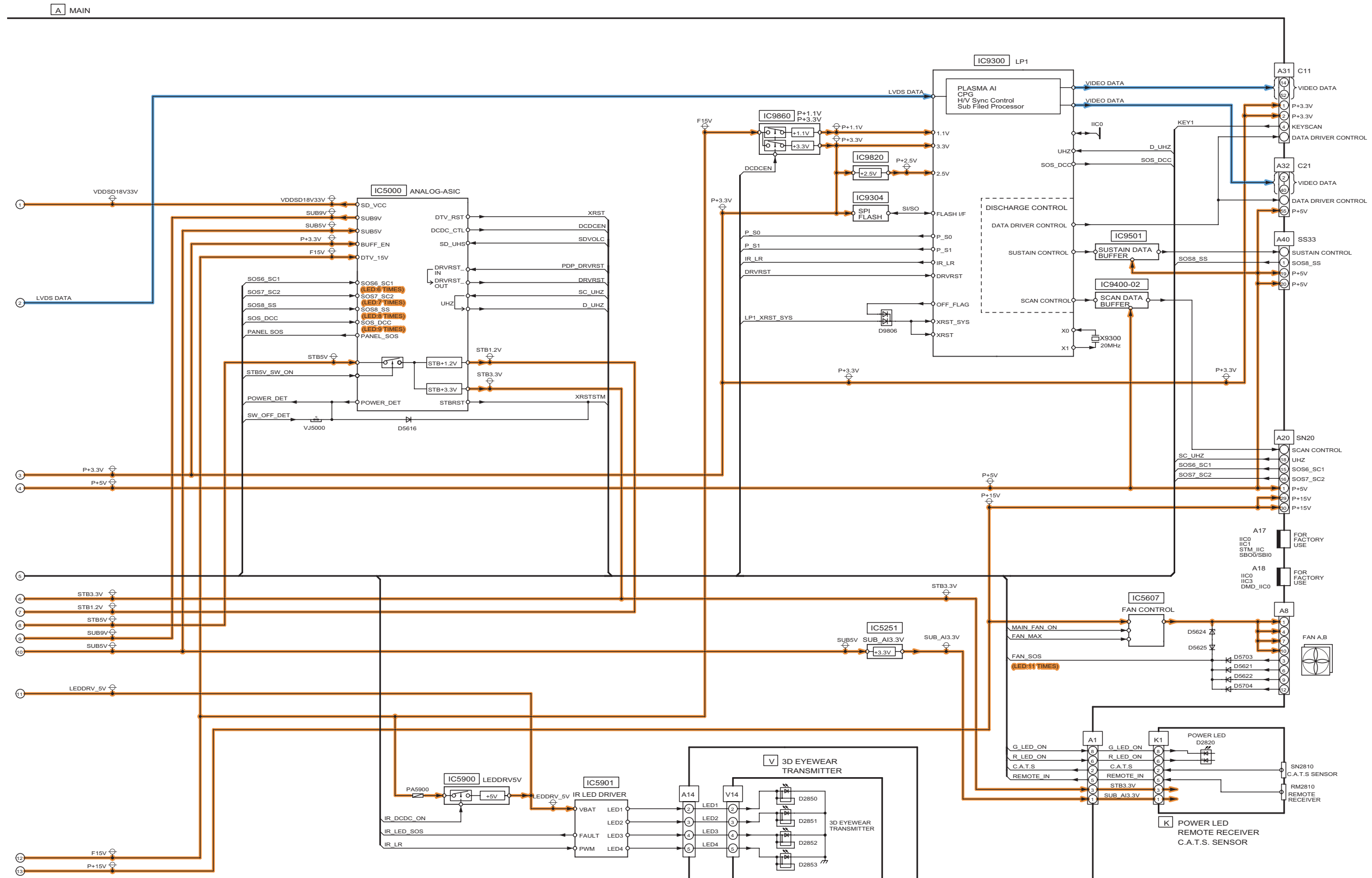
10.1. Main Block Diagram



10.2. Block (1/4) Diagram



10.3. Block (2/4) Diagram







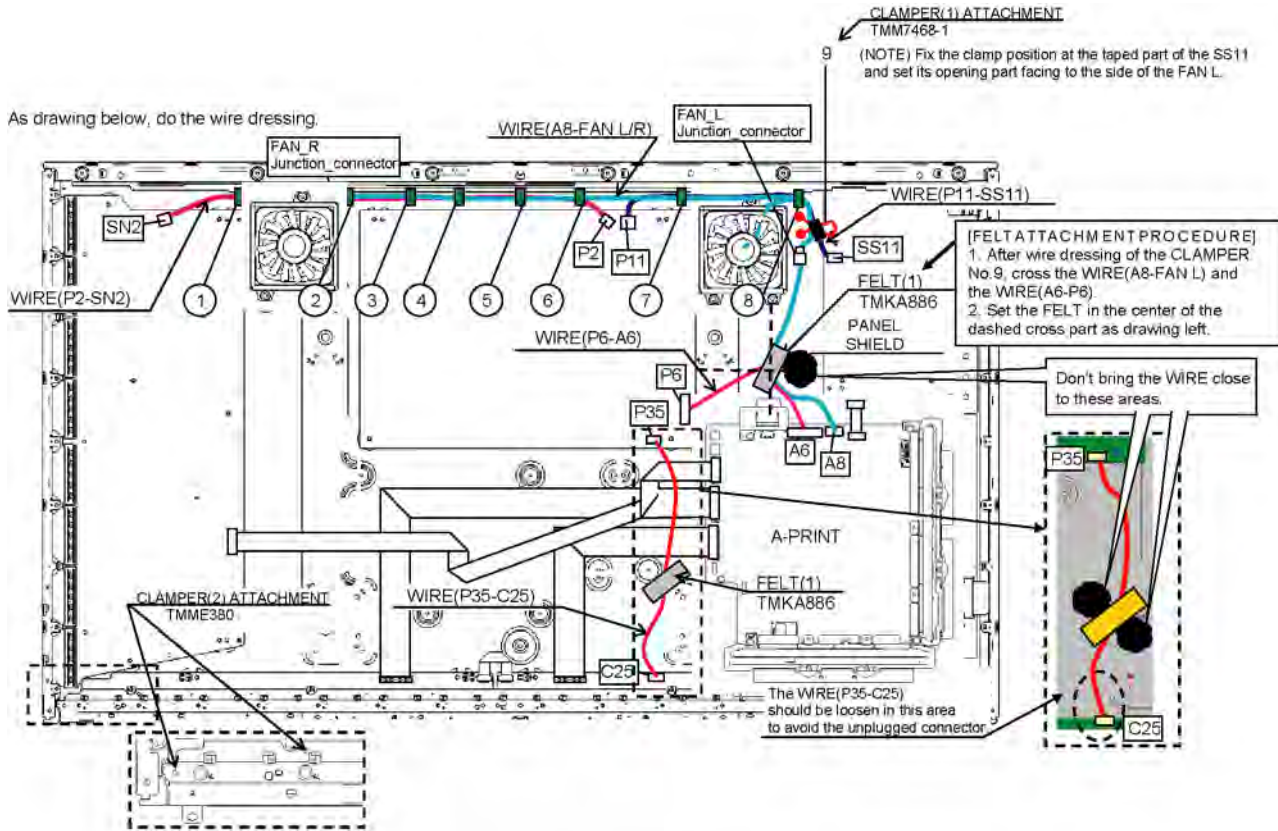
11 Wiring Connection Diagram

11.1. Caution statement.

Caution:

Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

11.2. Wiring (1)

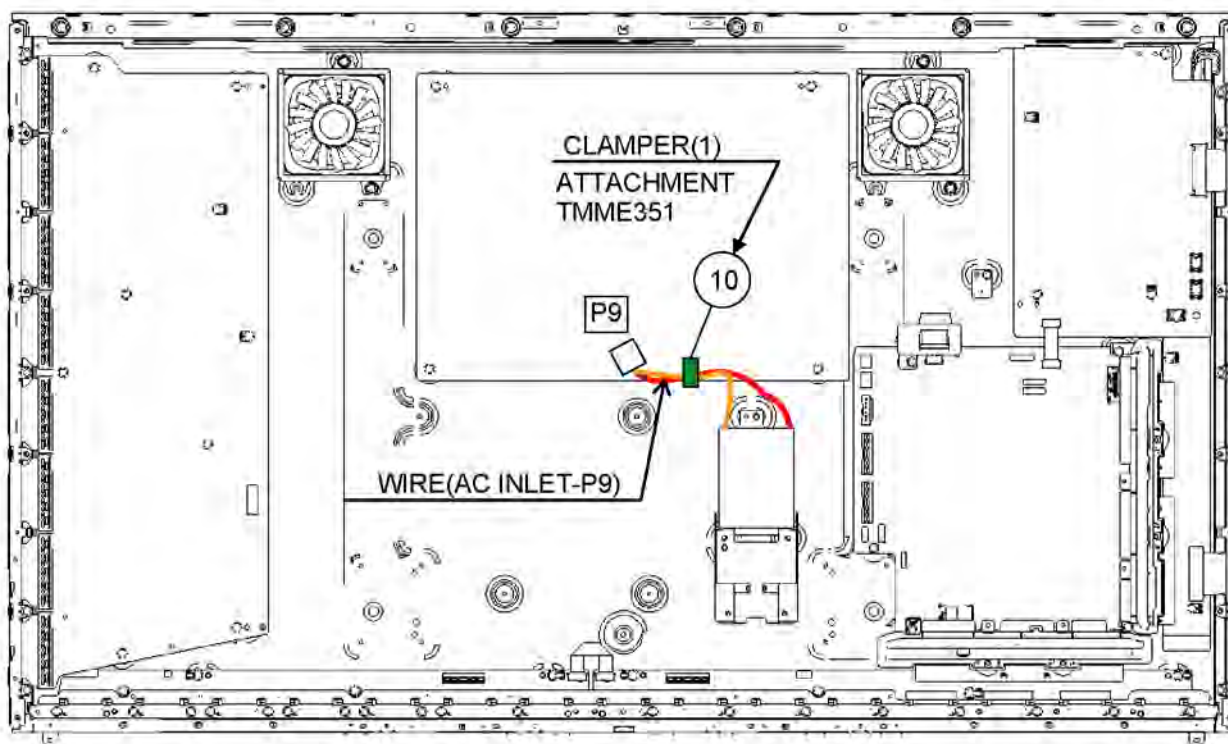


CONNECTOR No. and NAME		CLAMPER No.								
		1	2	3	4	5	6	7	8	9
P2	SN2	○	○	○	○	○	○			
P11	SS11							○	○	○
P35	C25									
A6	P6									
A8	FAN_R		○	○	○	○	○	○	○	○
	FAN_L								○	○

11.3. Wiring (2)

CONNECTOR No. and NAME		CLAMPER No.			
		10			
AC INLET	P9	○			

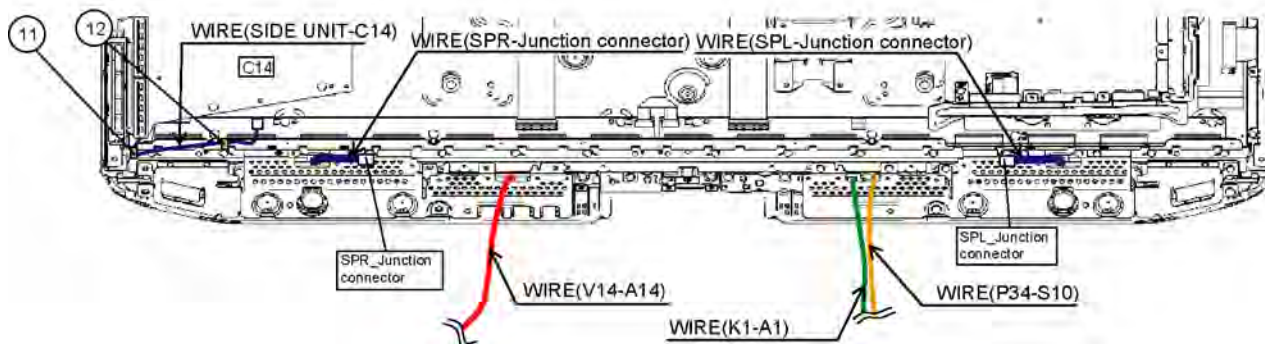
As drawing below, do the wire dressing.



11.4. Wiring (3)

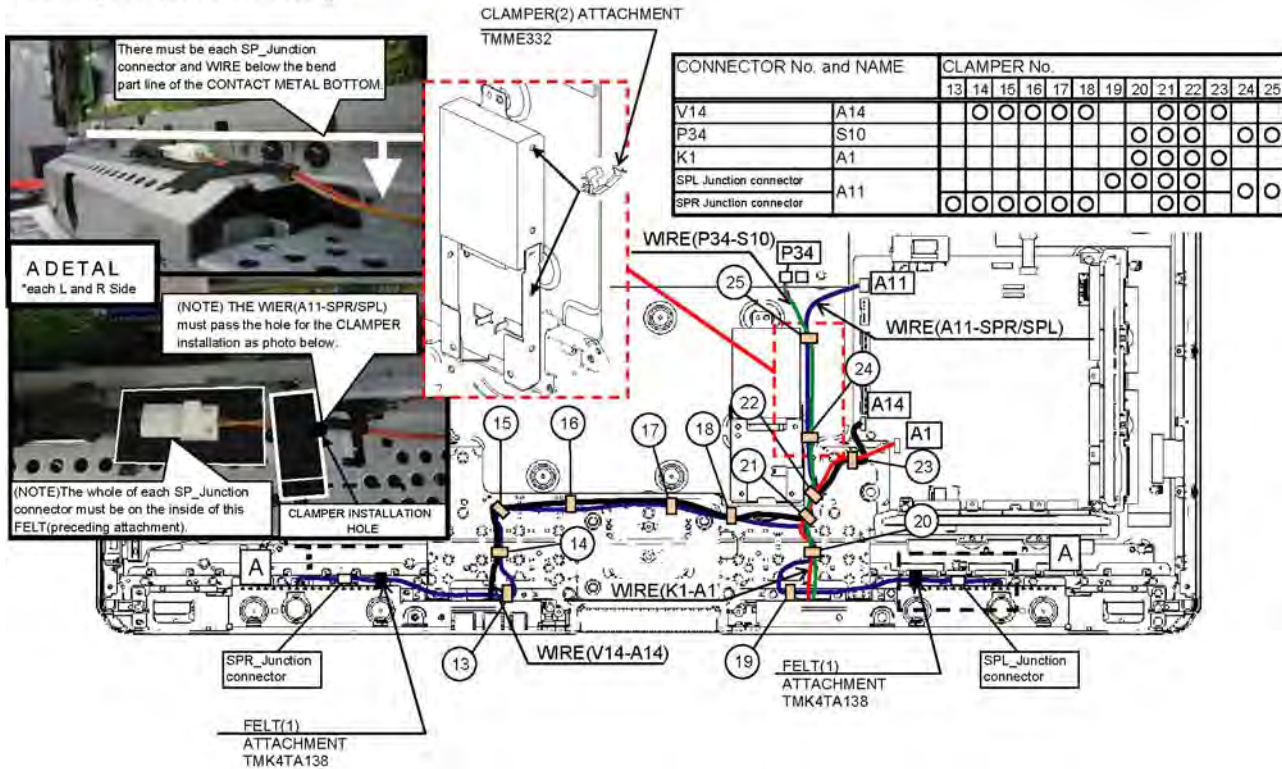
As drawing below, do the wire dressing.

CONNECTOR No. and NAME		CLAMPER No.			
		11	12		
P34	S10				
K1	A1				
V14	A14				
SPL	Junction connector				
SPR	Junction connector				
SIDE UNIT	C14	○	○		



11.5. Wiring (4)

As drawing below, do the wire dressing.

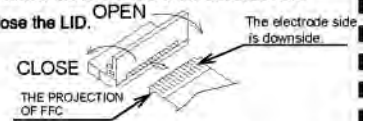


11.6. Wiring (5)

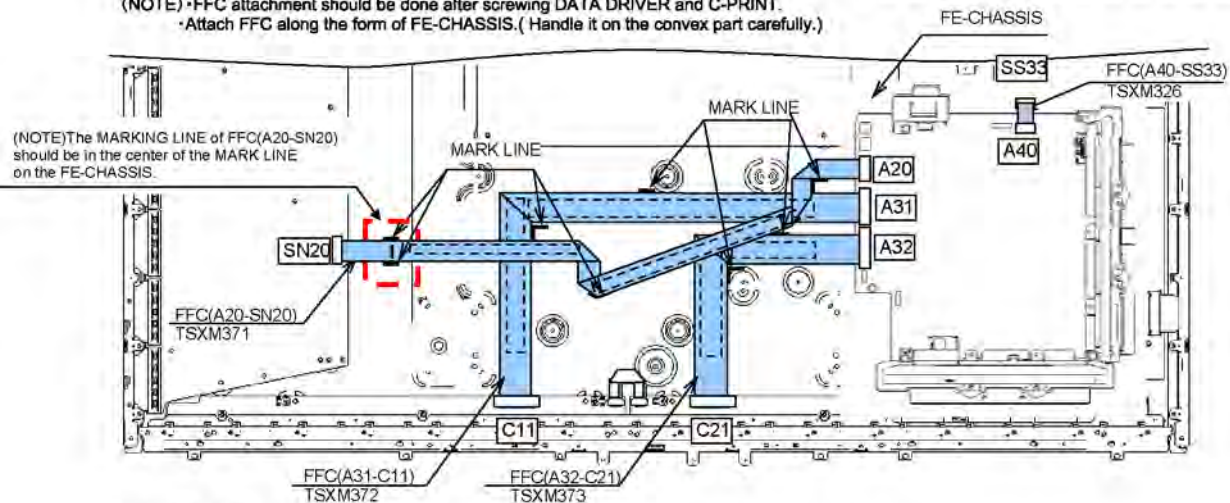
As drawing below,

1. Peel the separator from the reverse side of the FFC and then stick it along the MARK LINE on the FE-CHASSIS.
※The order of FFC attachment: (1)FFC(A31-C11), FFC(A32-C21)→(2)FFC(A20-SN20)
 2. Attach the FFC to each connector.
- (NOTE) • FFC attachment should be done after screwing DATA DRIVER and C-PRINT.
• Attach FFC along the form of FE-CHASSIS. (Handle it on the convex part carefully.)

- ① Open the LID.
- ② Insert the FFC to the CONNECTOR, and hitch the projection of the FFC to ribs of the CONNECTOR.
- ③ Close the LID.



(NOTE)
Avoid any damage of the CONNECTOR, as opening and closing the LID.



CONNECTOR No. and NAME	
A20	SN20
A31	C11
A32	C21
A40	SS33

12. Schematic Diagram

12.1. Schematic Diagram Note

Notes:

1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
3. Coil
Unit of inductance is H, unless otherwise noted.
4. Test Point
 : Test Point position
5. Earth Symbol
 : Chassis Earth (Cold)  : Line Earth (Hot)
6. Voltage Measurement
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:

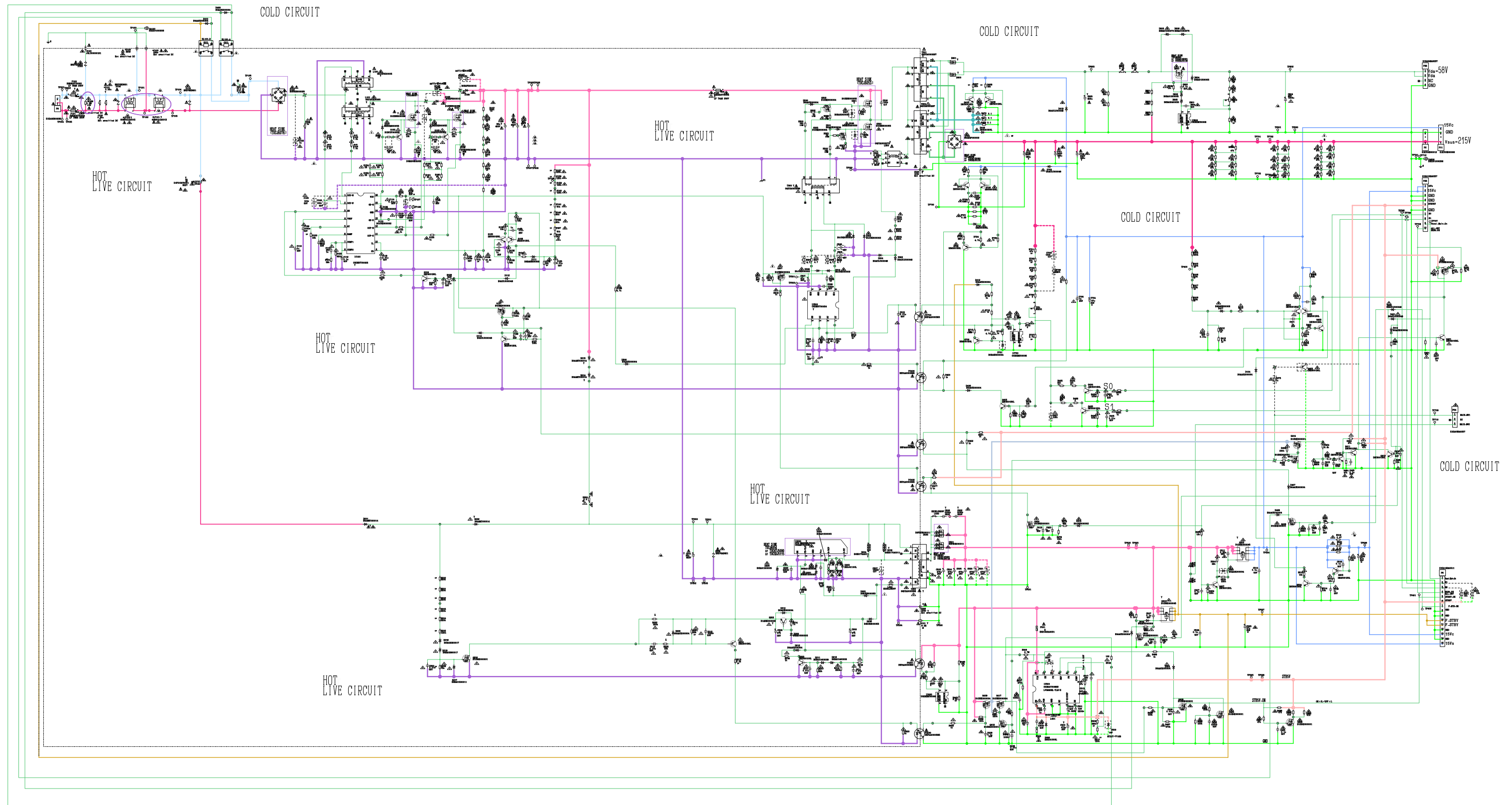
Power Source	AC 220-240V, 50/60Hz
Receiving Signal	Colour Bar signal (RF)
All customer's controls	Maximum positions
7. When arrow mark () is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video  Audio 
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Notice: Use the parts number indicated on the Replacement parts List.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

12.2. P Board Schematic Diagram

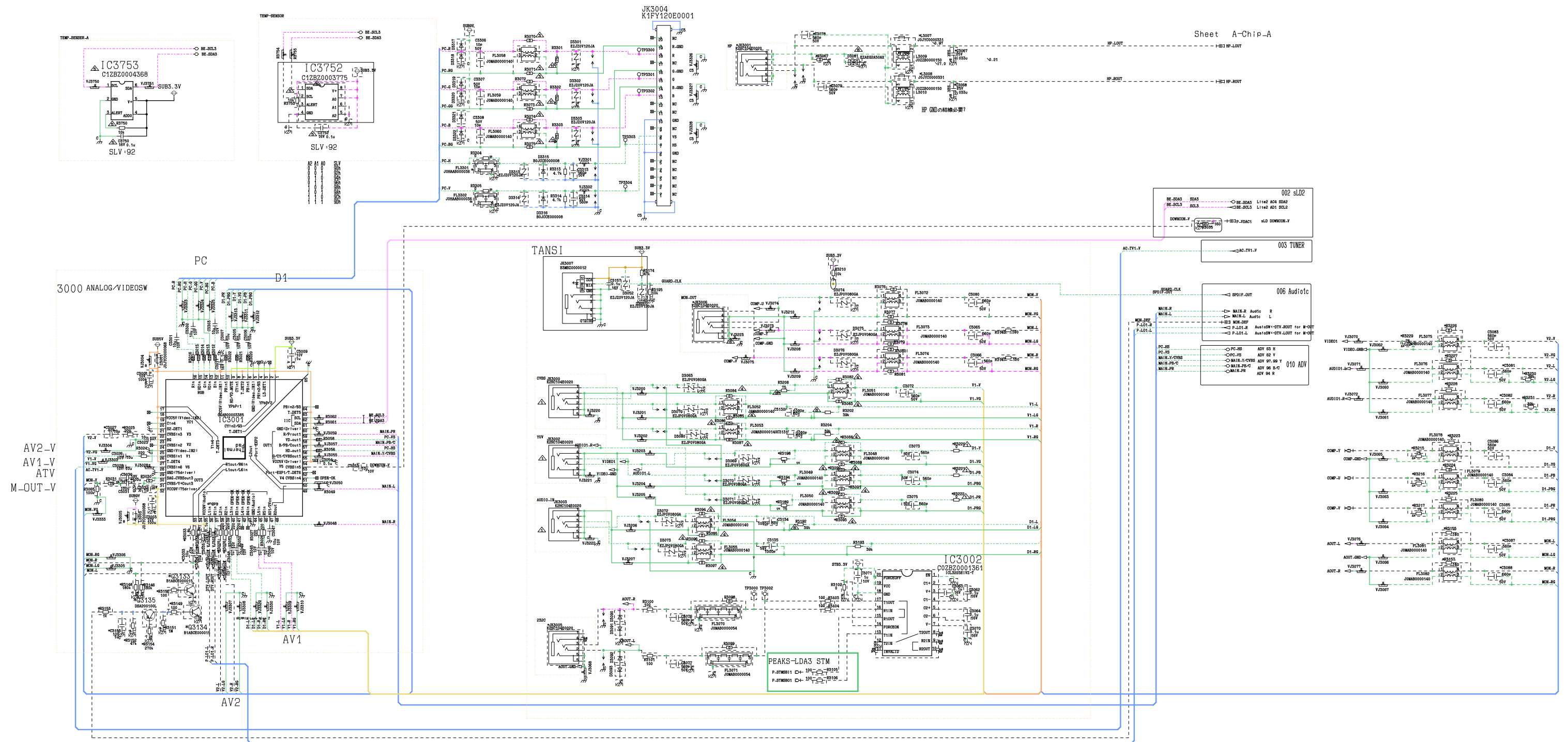


FAN BM12B-GVHS-TB (LF) (SN)
K1KY12AA0719

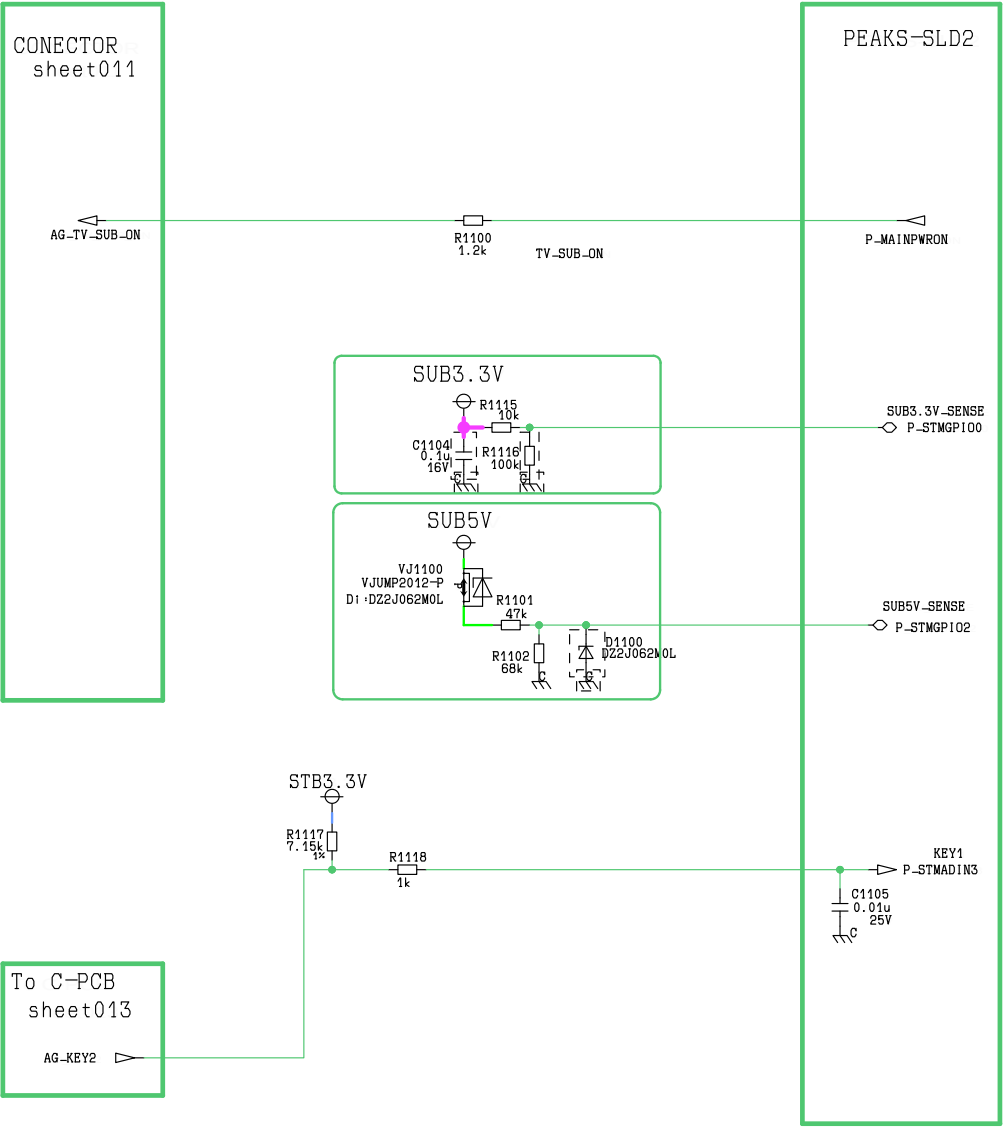
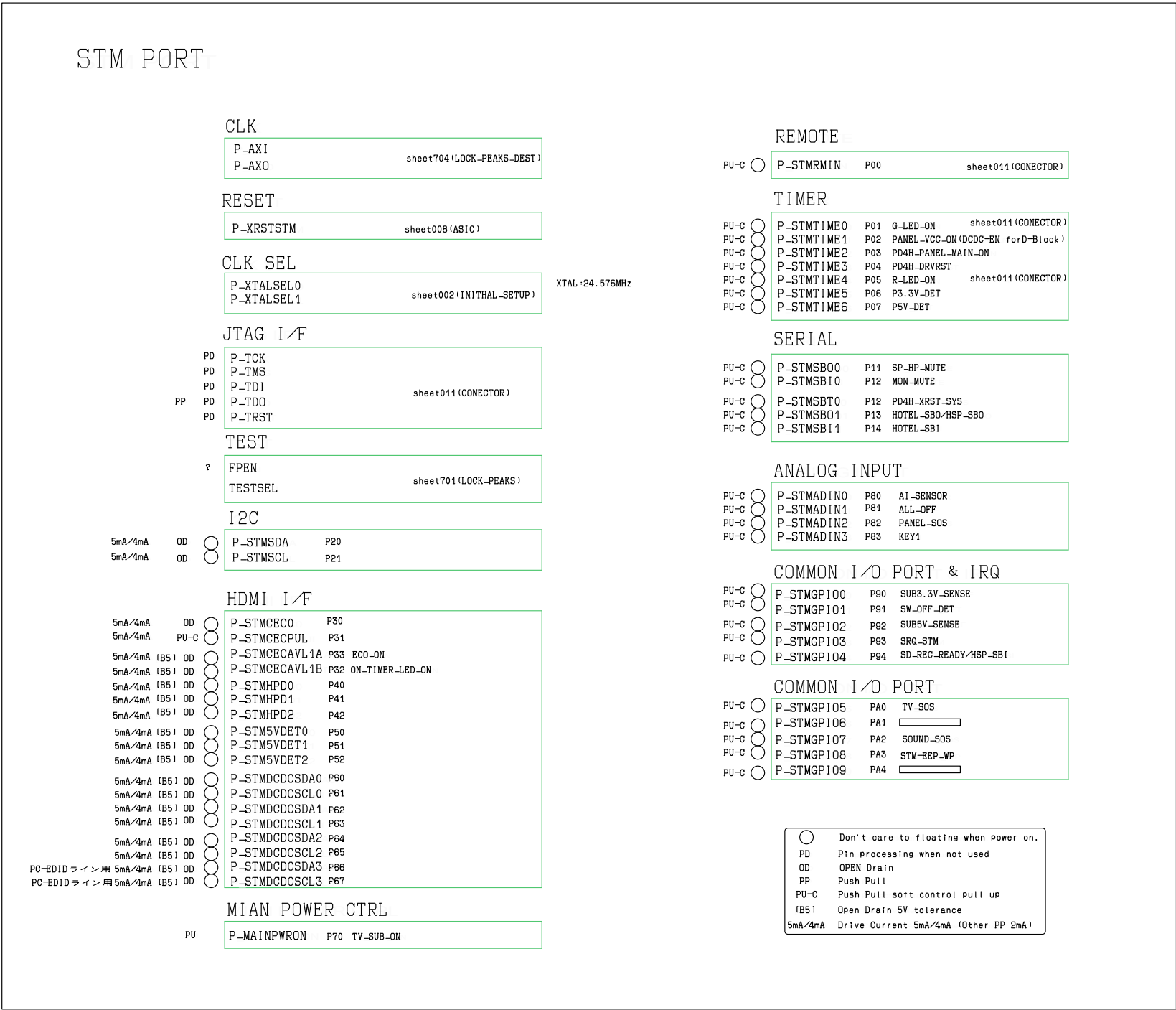




12.6. A Board Schematic Diagram - (4/20)

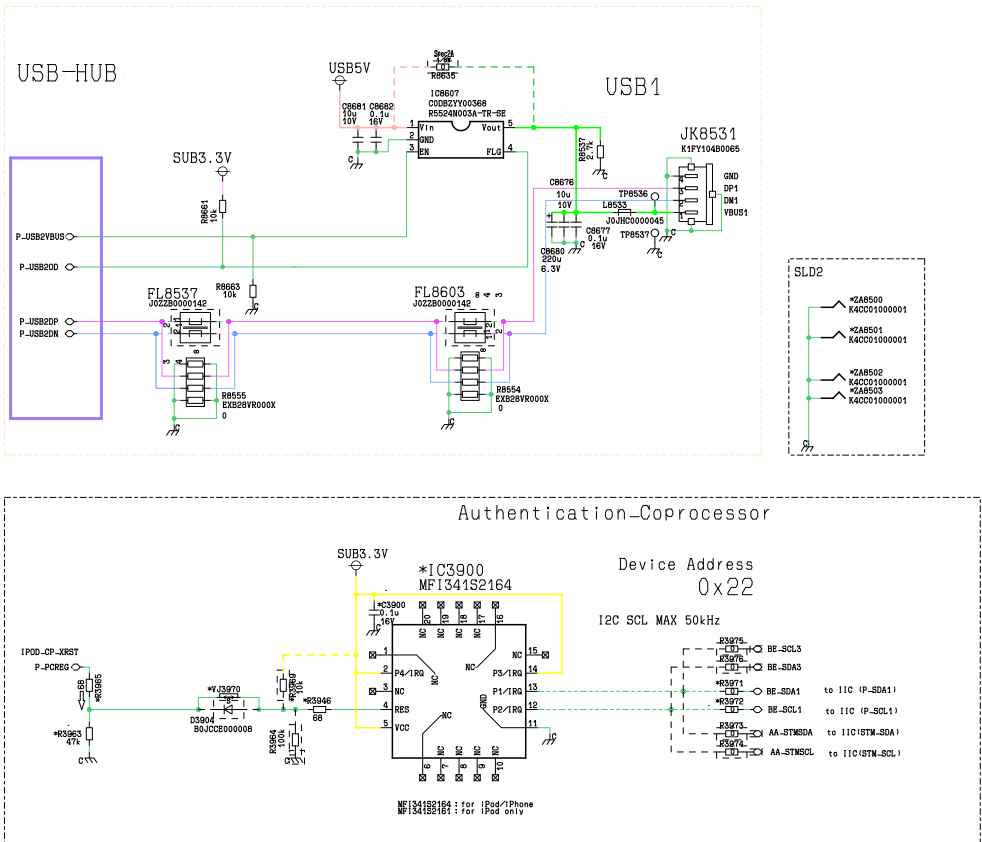
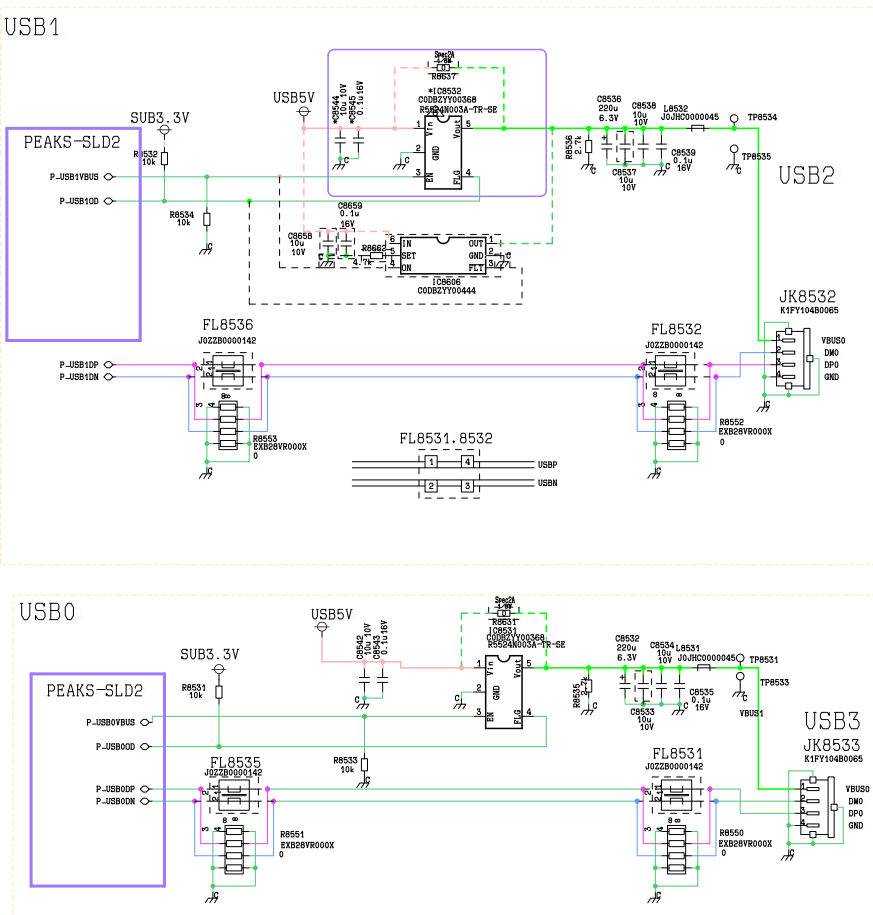


12.7. A Board Schematic Diagram - (5/20)

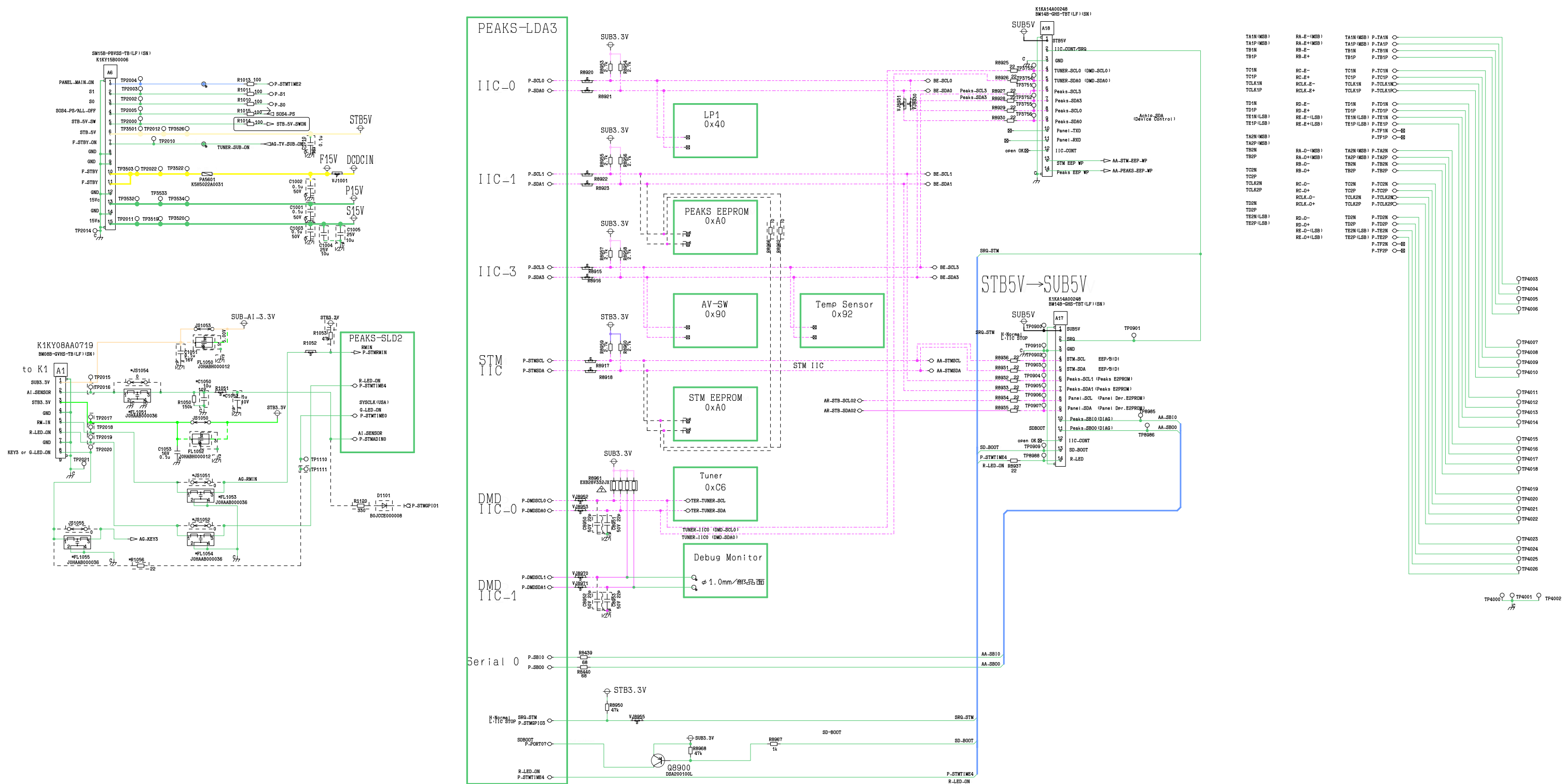




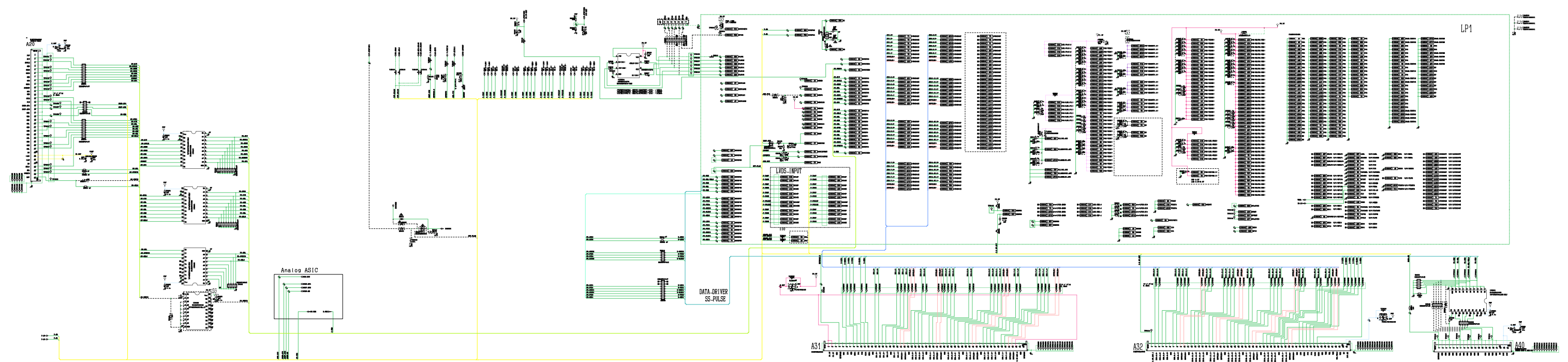


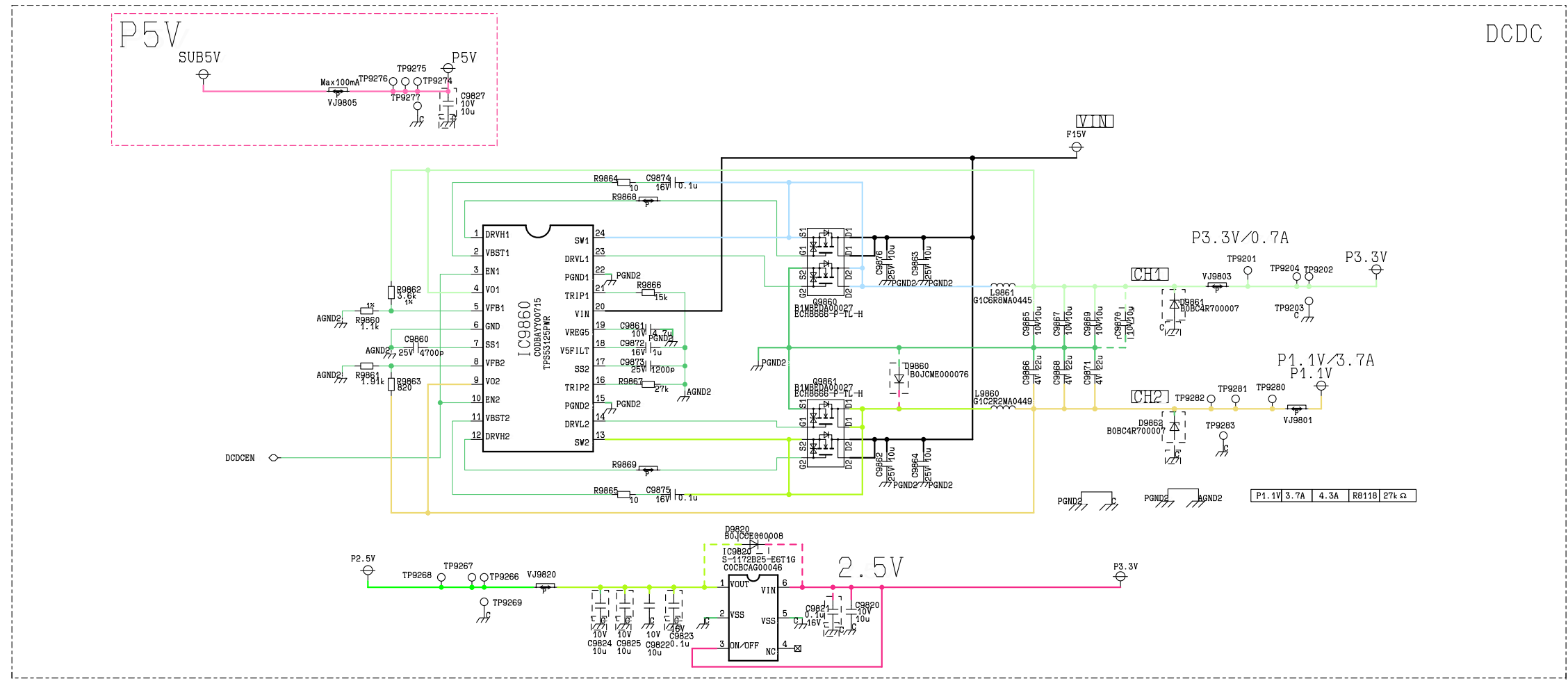


12.11. A Board Schematic Diagram - (9/20)



12.12. A Board Schematic Diagram - (10/20)

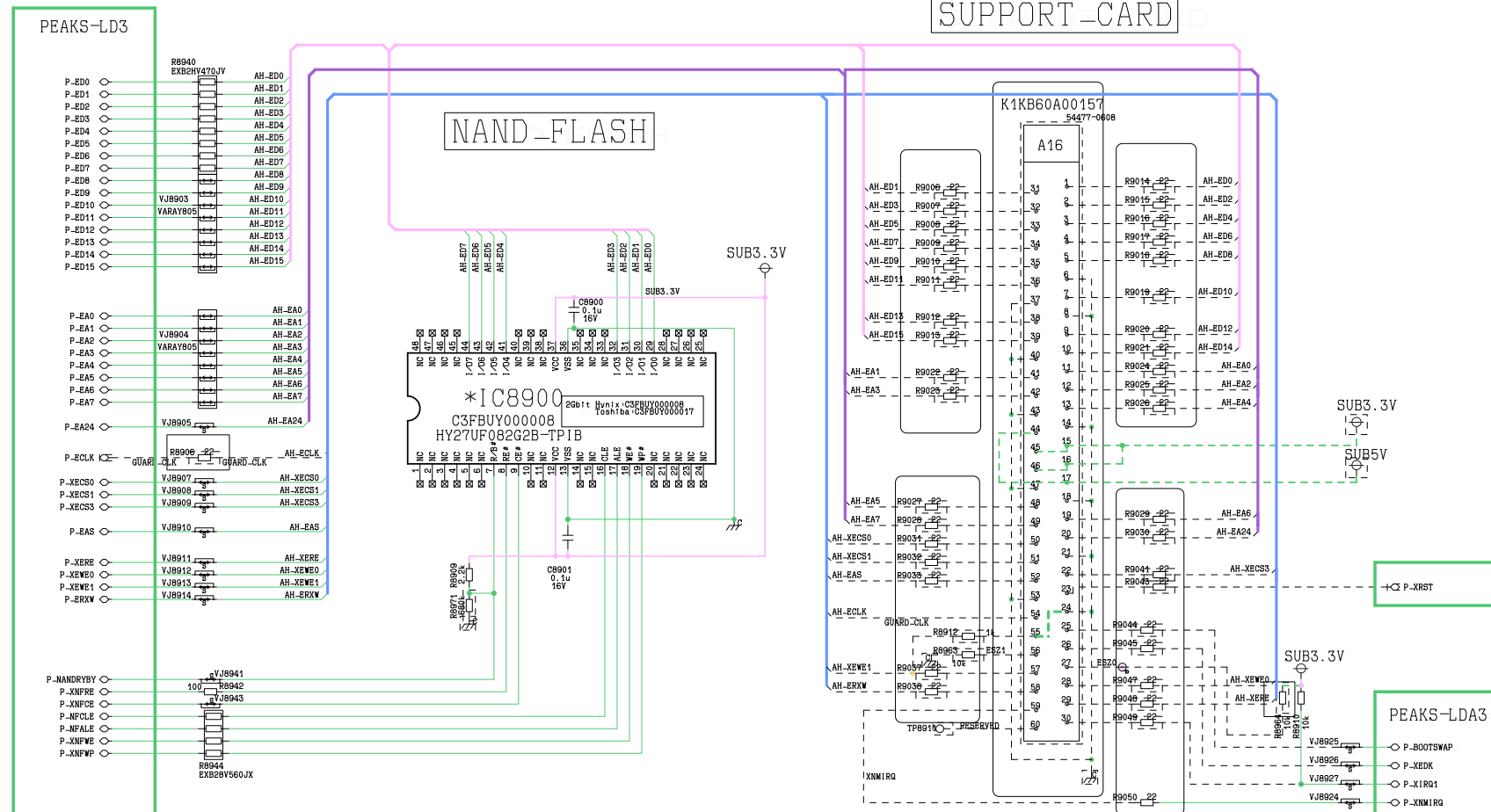




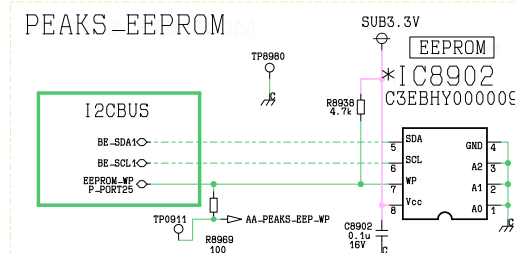
12.14. A Board Schematic Diagram - (12/20)

EX-BUS

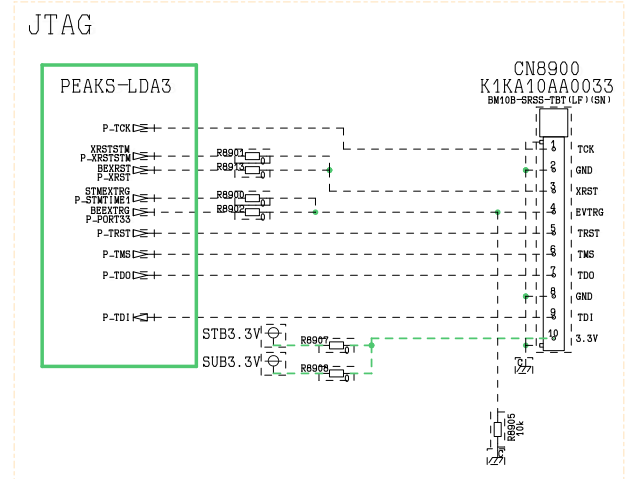
SUPPORT_CARD



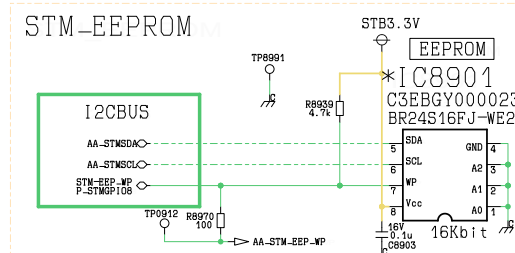
PEAKS-EEPROM



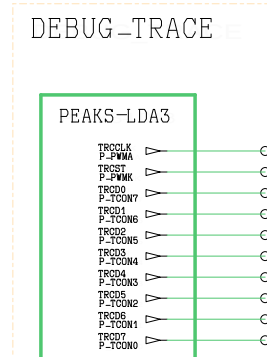
JTAG



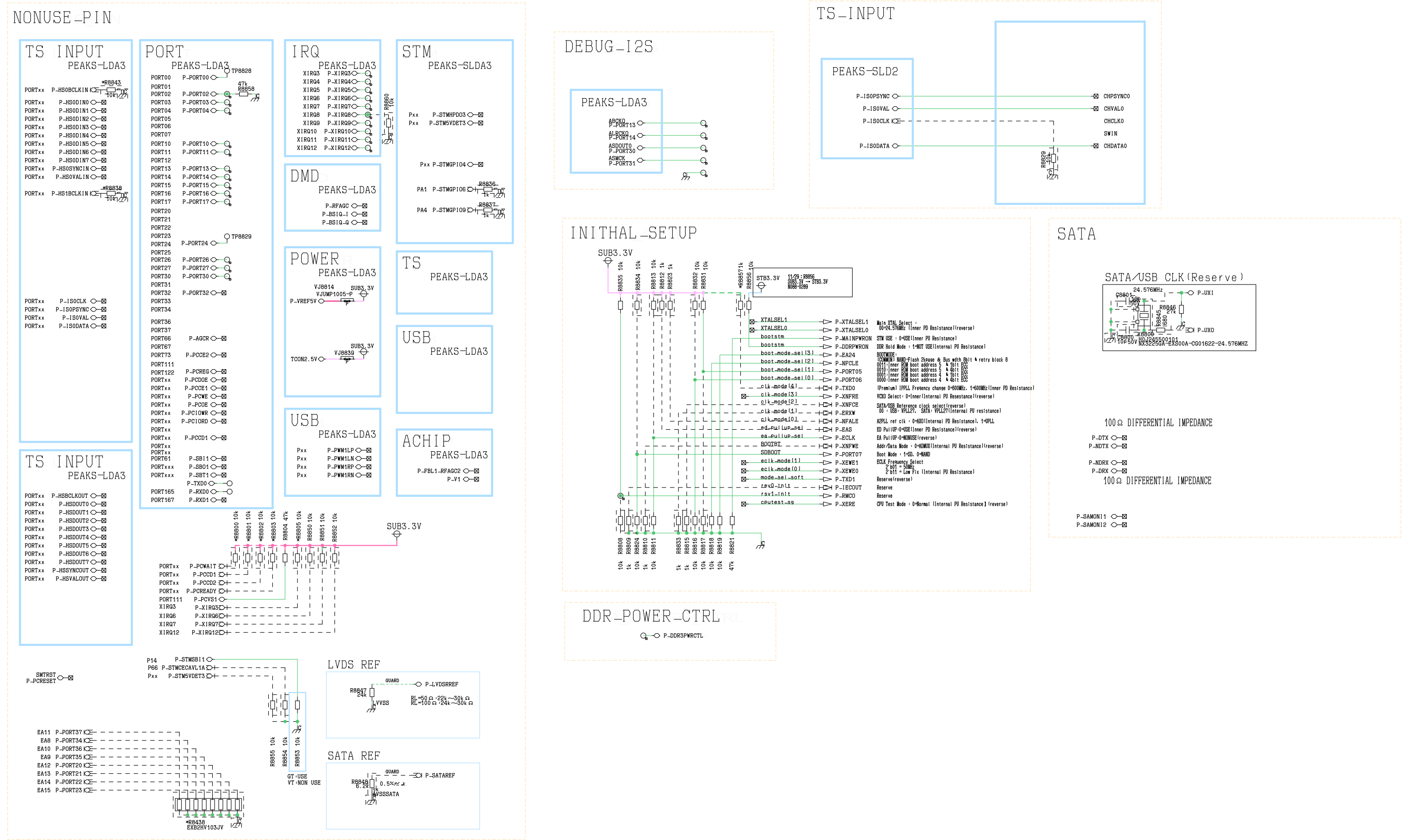
STM-EEPROM



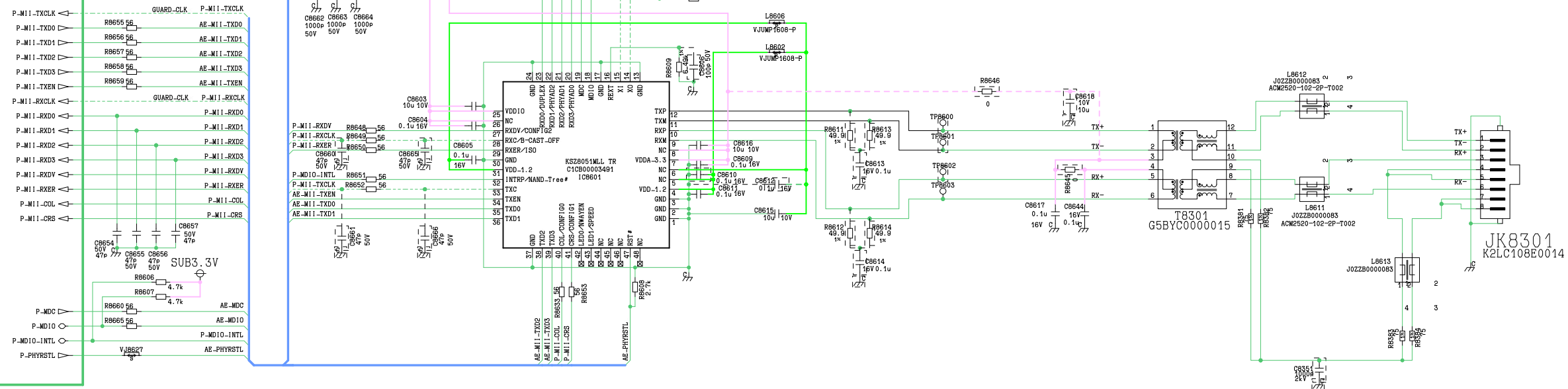
DEBUG-TRACE



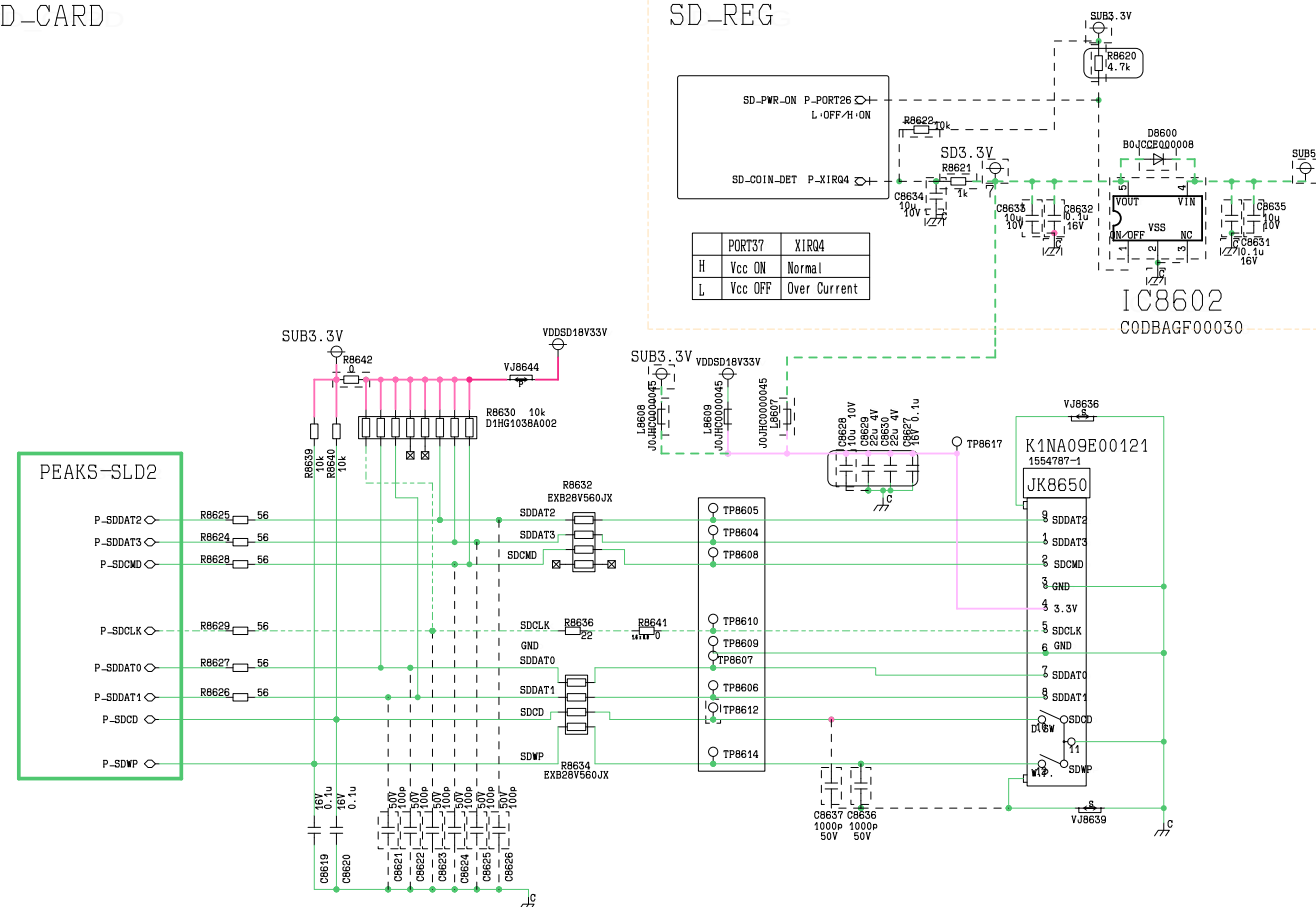
12.15. A Board Schematic Diagram - (13/20)



PEAKS-SLD2



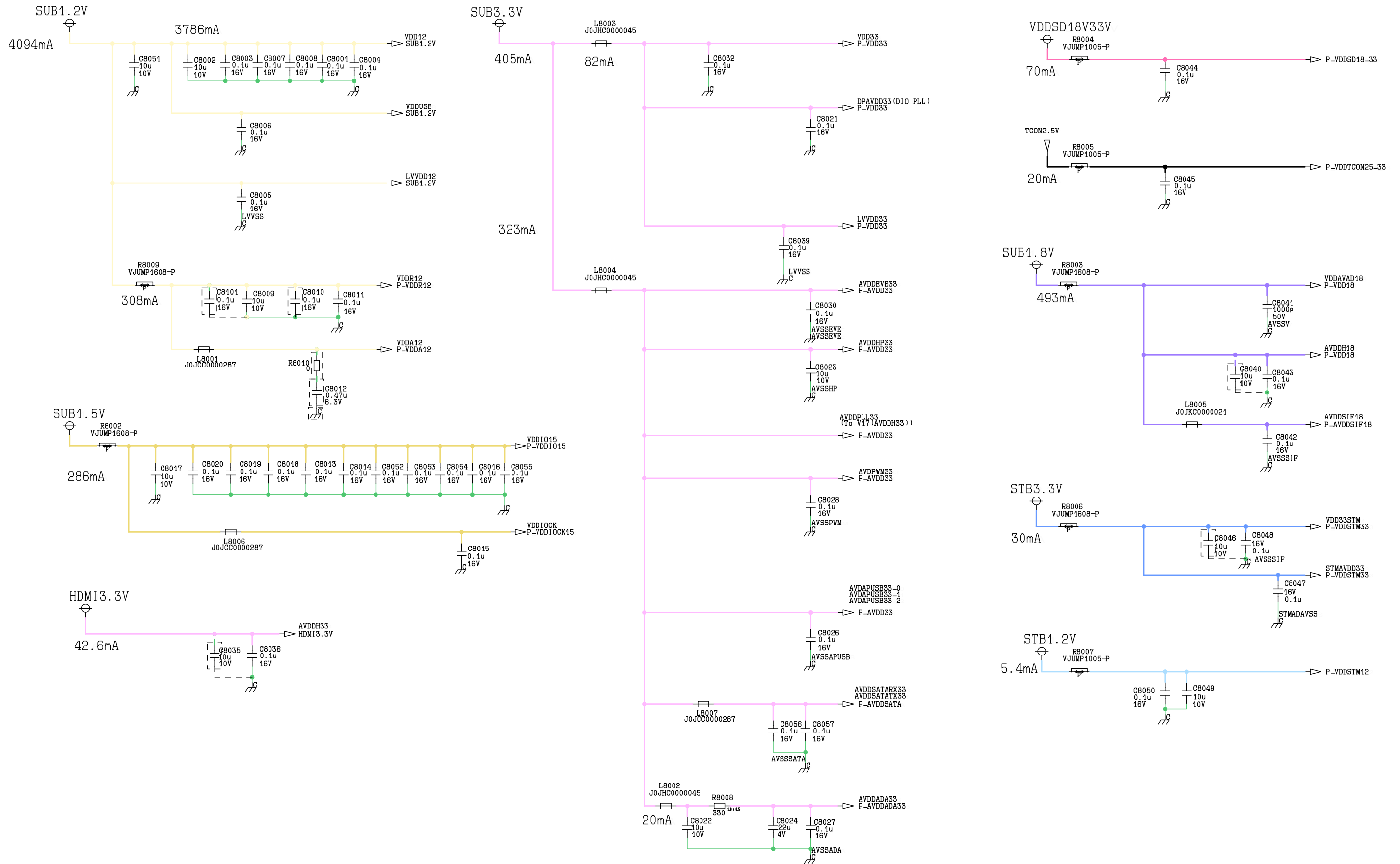
SD-REG





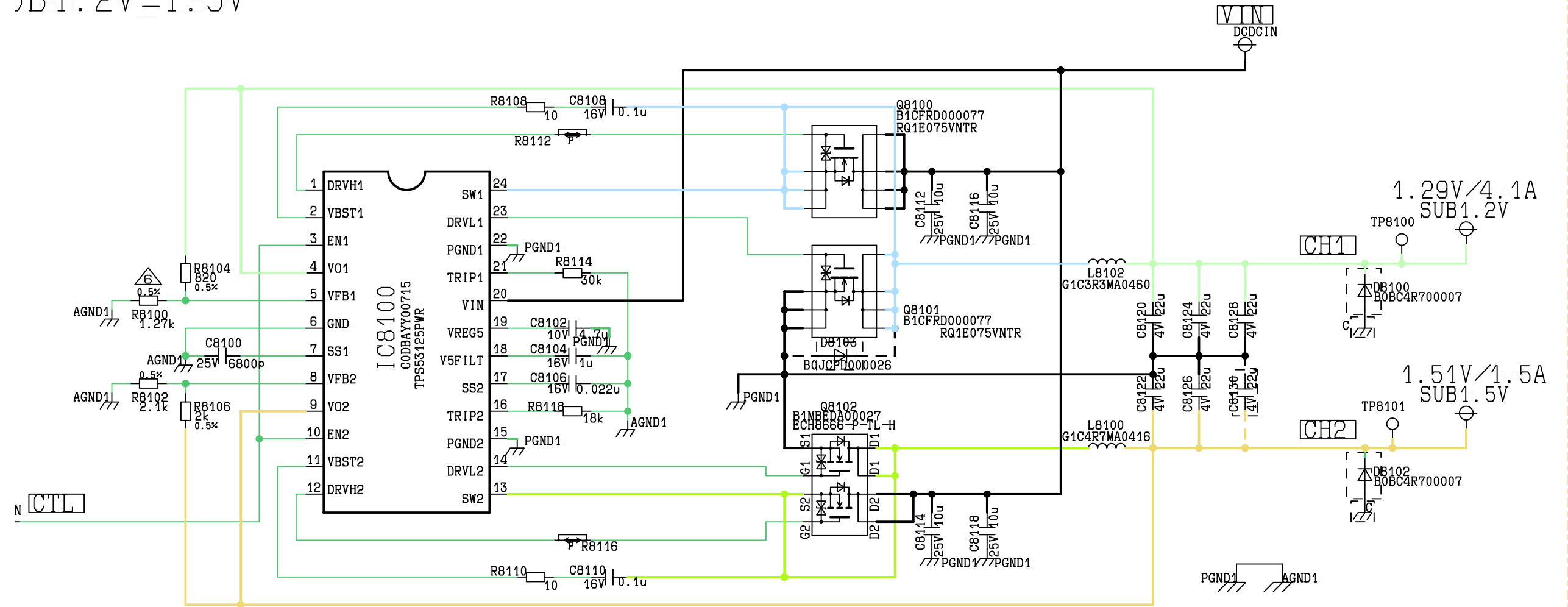
12.18. A Board Schematic Diagram - (16/20)

PEAKS-LDA3



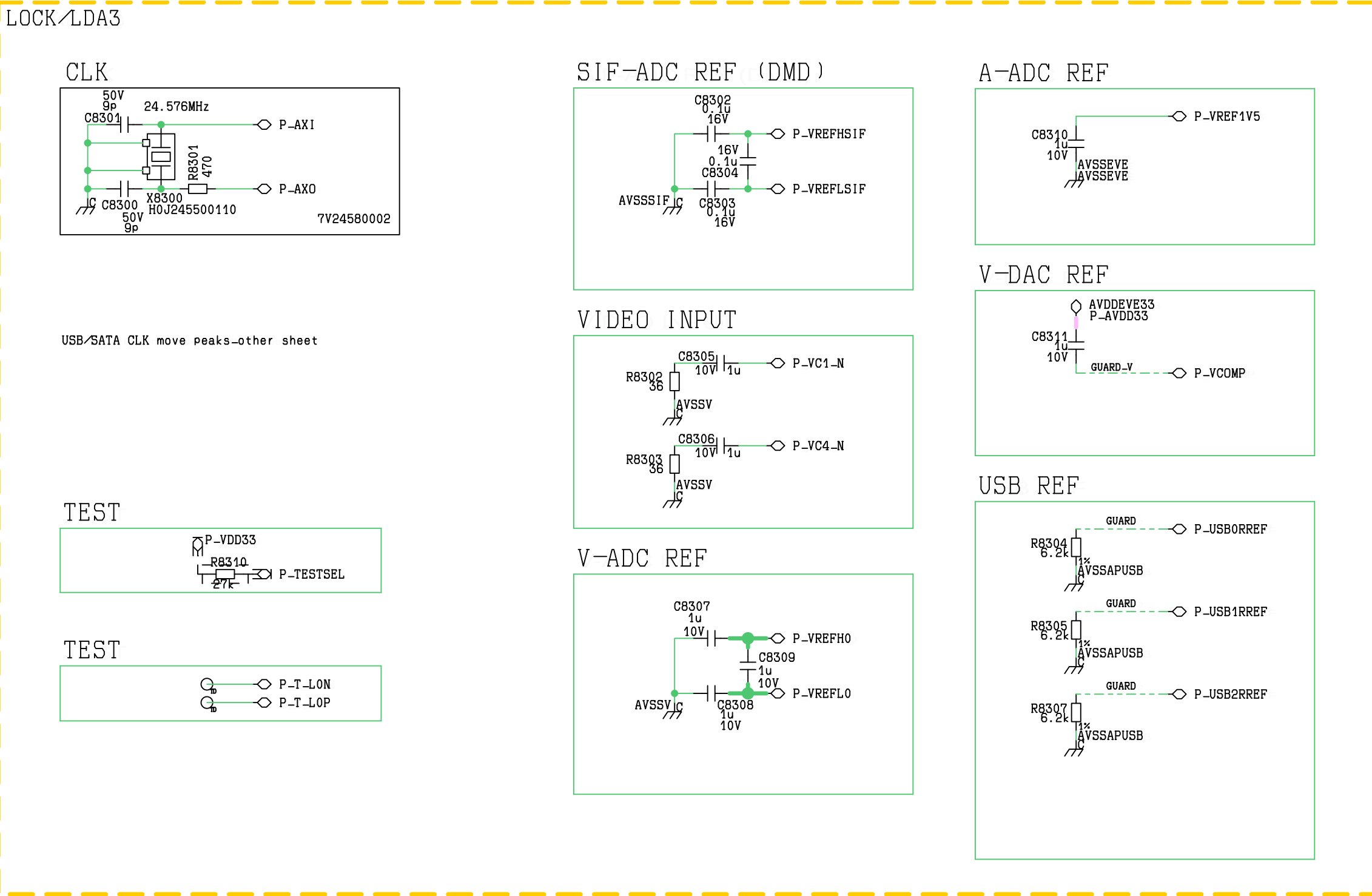
12.19. A Board Schematic Diagram - (17/20)

JB1. 2V-1.5V

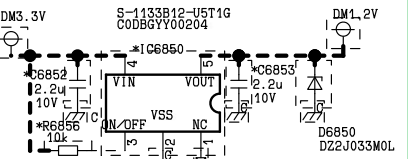




12.21. A Board Schematic Diagram - (19/20)



REG-3.3V-To-1.2V



Sheet Peaks

Parallel-TS

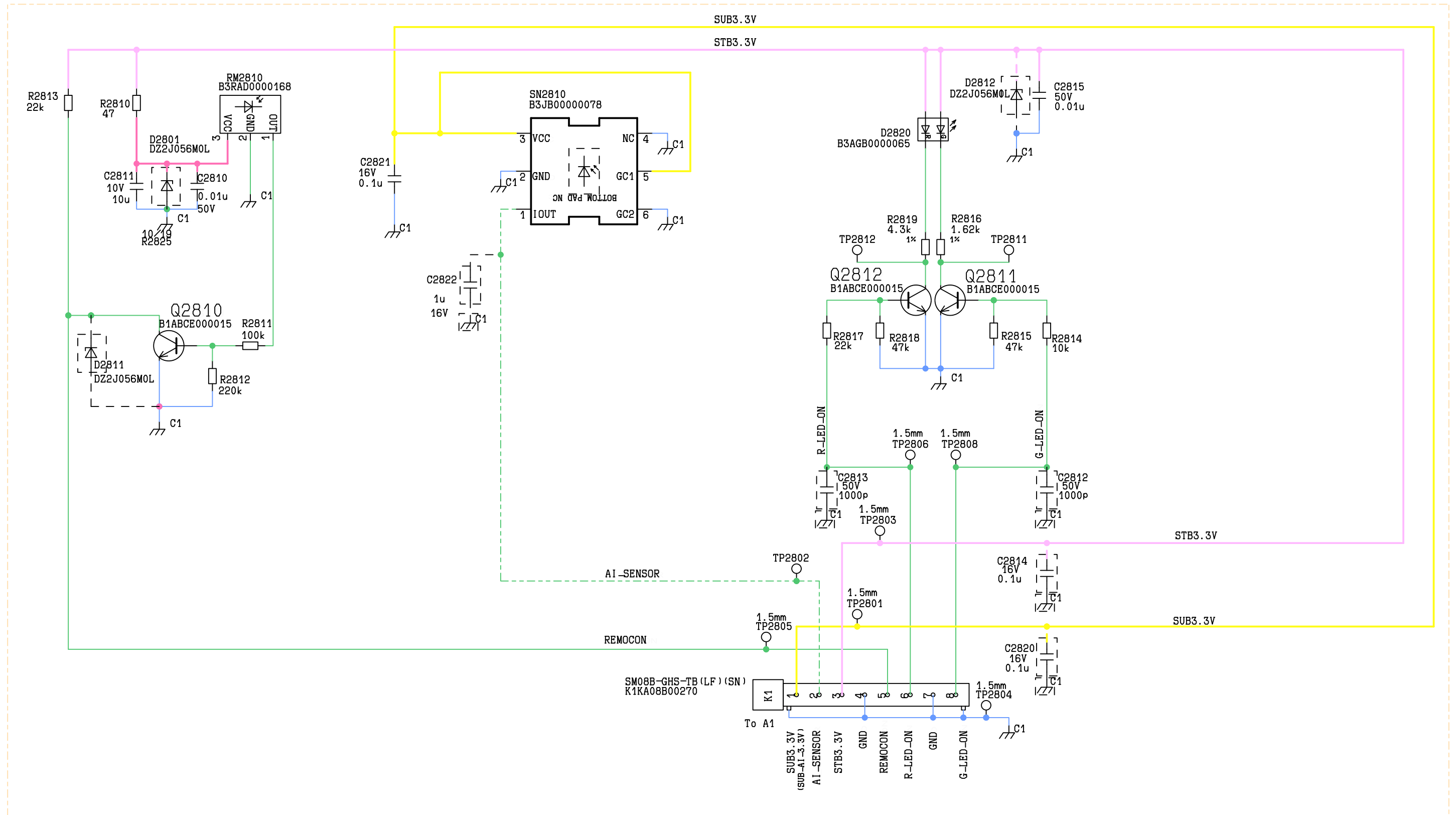
+OP-HS1D1N0	HS1D1N0
+OP-HS1D1N1	HS1D1N1
+OP-HS1D1N2	HS1D1N2
+OP-HS1D1N3	HS1D1N3
+OP-HS1D1N4	HS1D1N4
+OP-HS1D1N5	HS1D1N5
+OP-HS1D1N6	HS1D1N6
+OP-HS1D1N7	HS1D1N7
+OP-HS1BCLKIN	HS1BCLKIN
+OP-HS1VALIN	HS1VALIN
+OP-HS1SYNCIN	HS1SYNCIN

 P-PORT24 FE_XRST

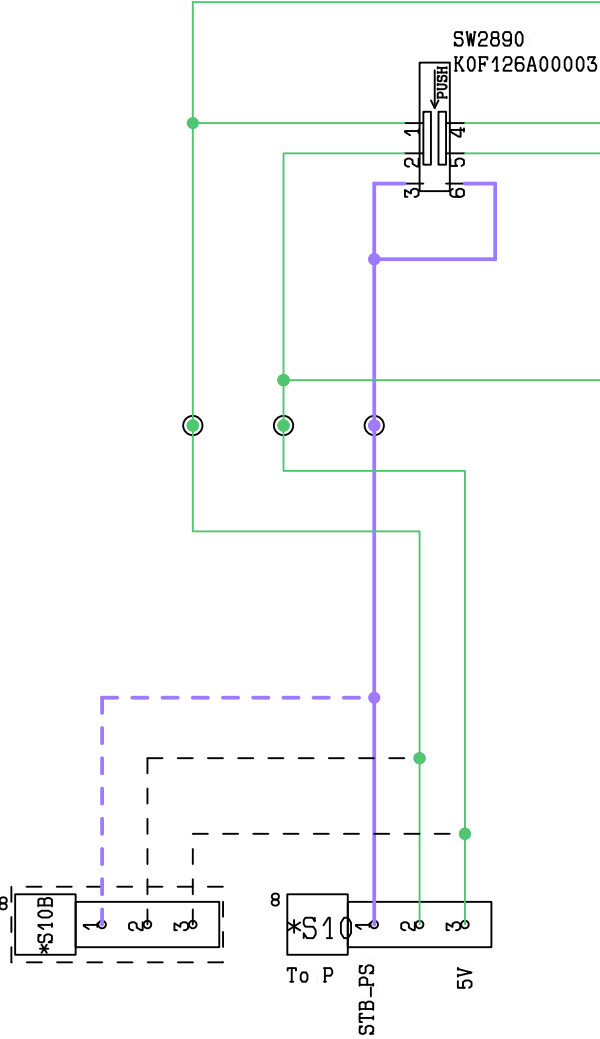
-  P-SDA3 (IIC-3)
I2C

-  P-SCL3 (IIC-3)

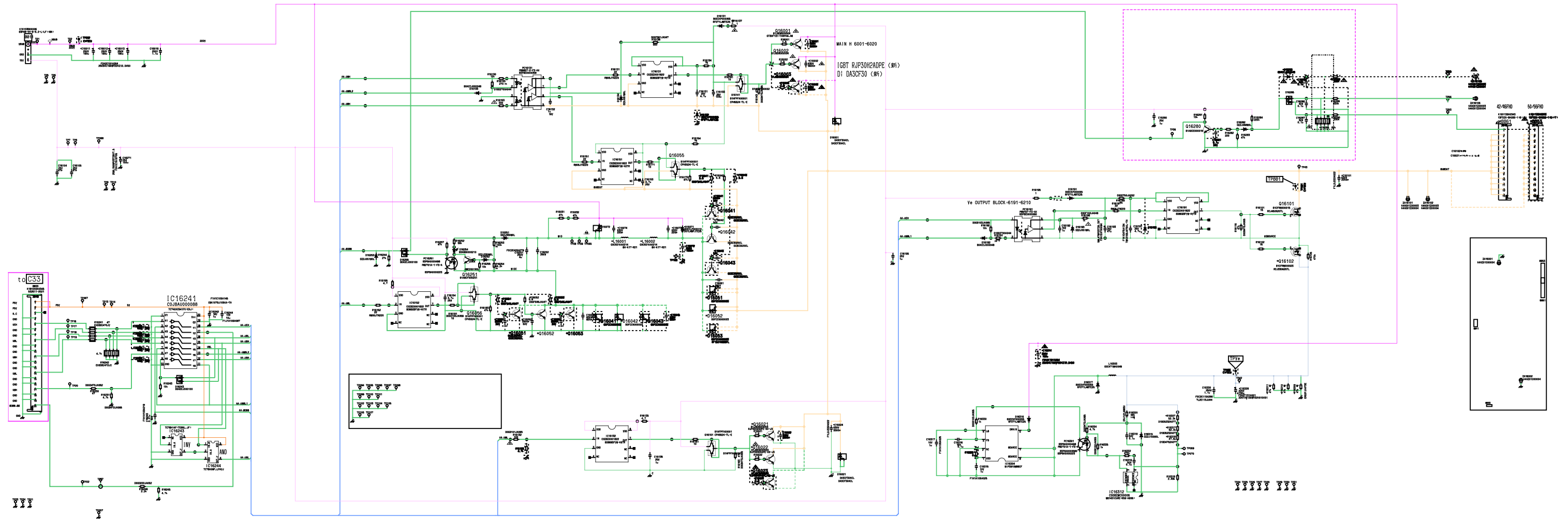
12.23. K Board Schematic Diagram



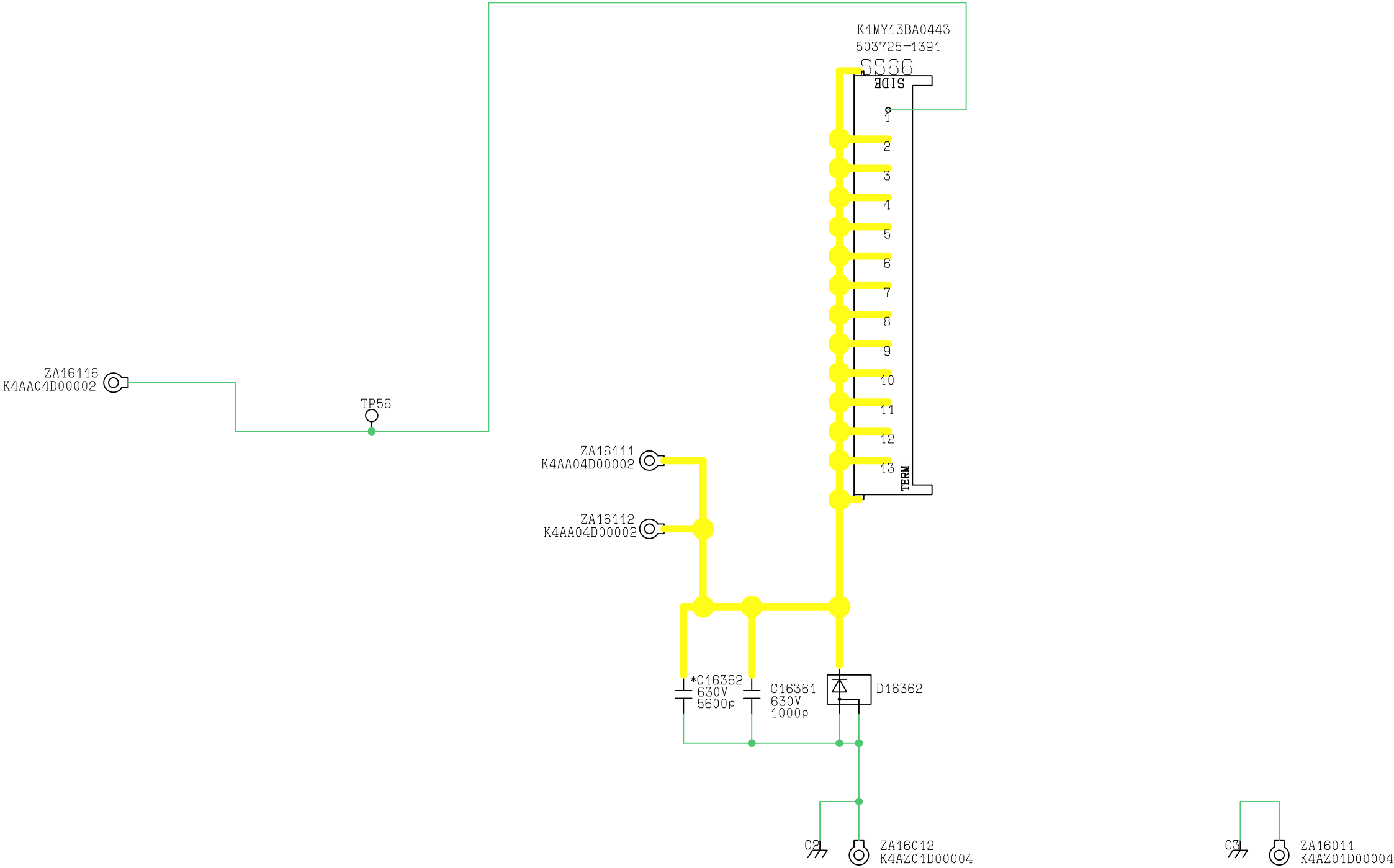
12.24. S Board Schematic Diagram



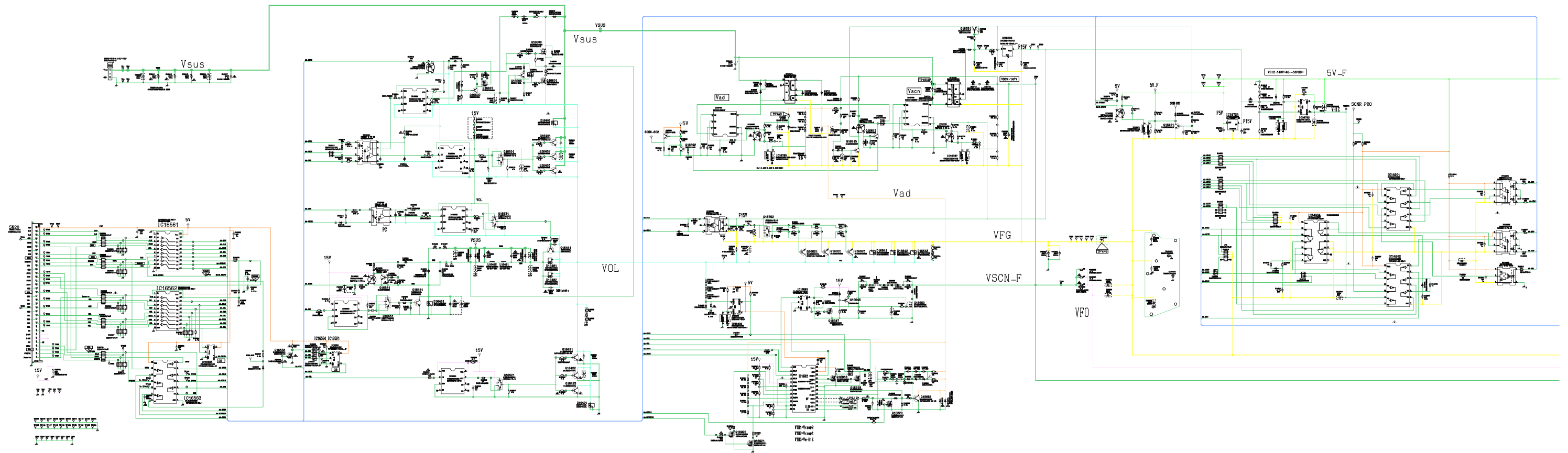
12.25. SS Board Schematic Diagram



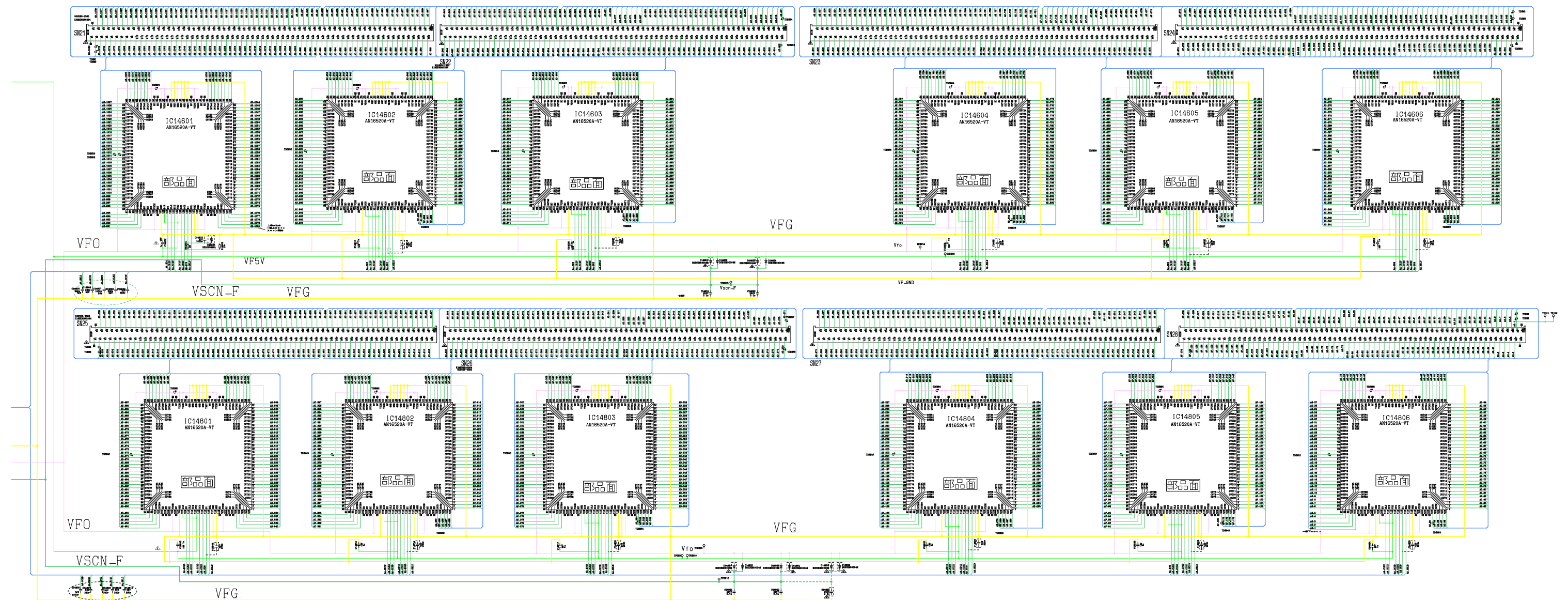
12.26. SS2 Board Schematic Diagram



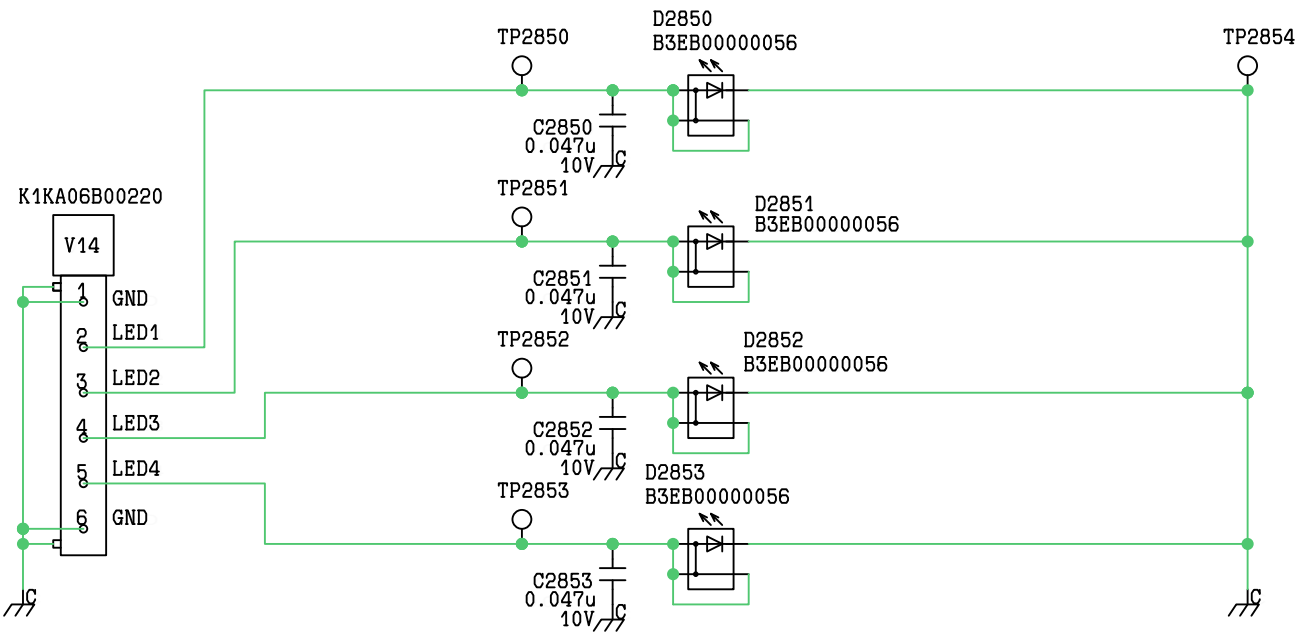
12.27. SN1 Board Schematic Diagram



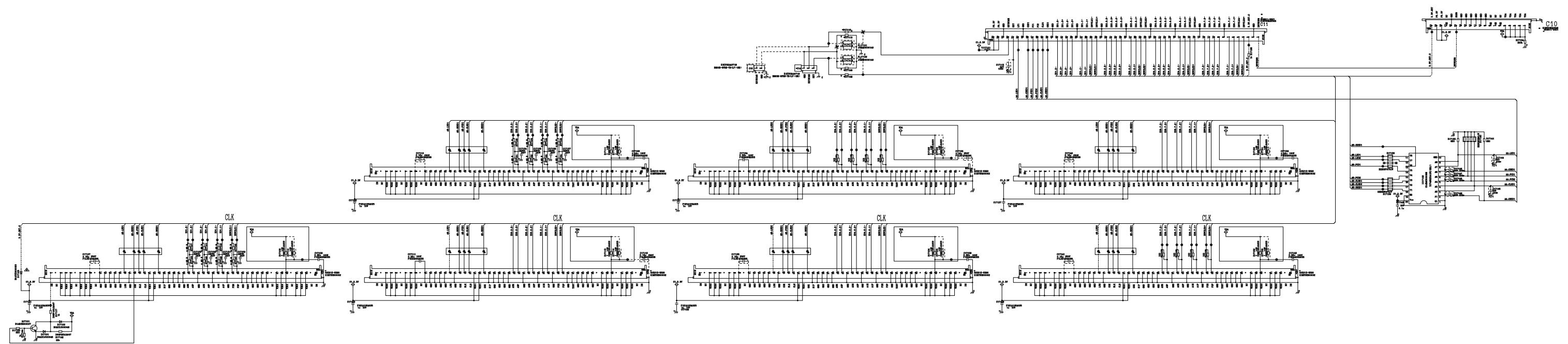
12.28. SN2 Board Schematic Diagram



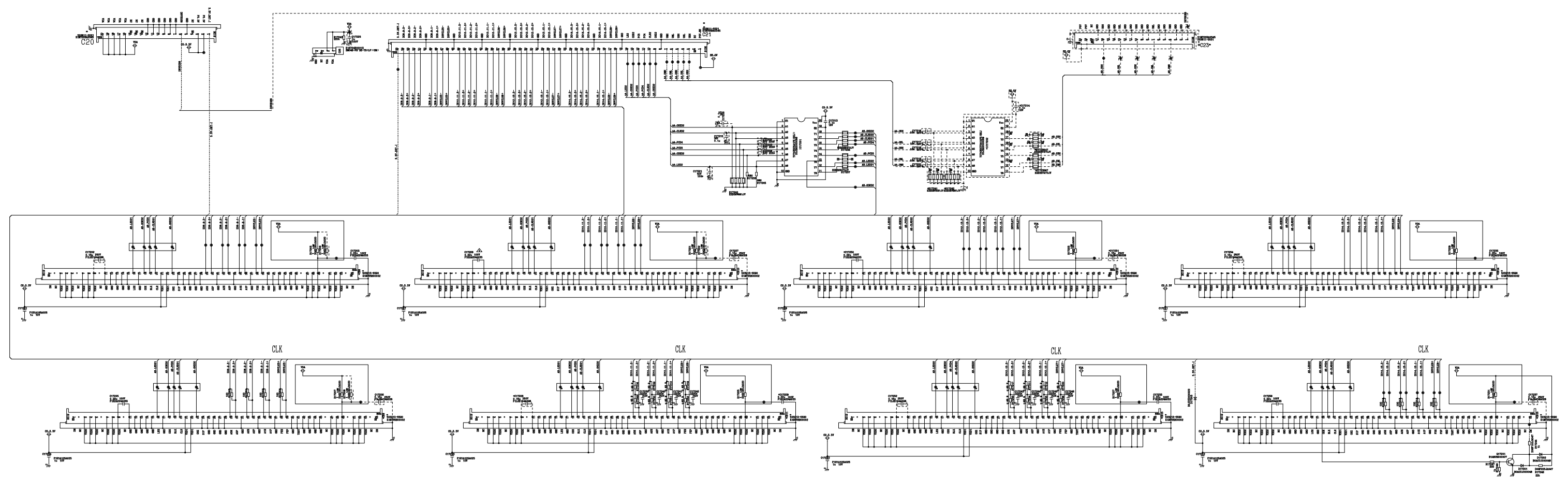
12.29. V Board Schematic Diagram



12.30. C1 Board Schematic Diagram

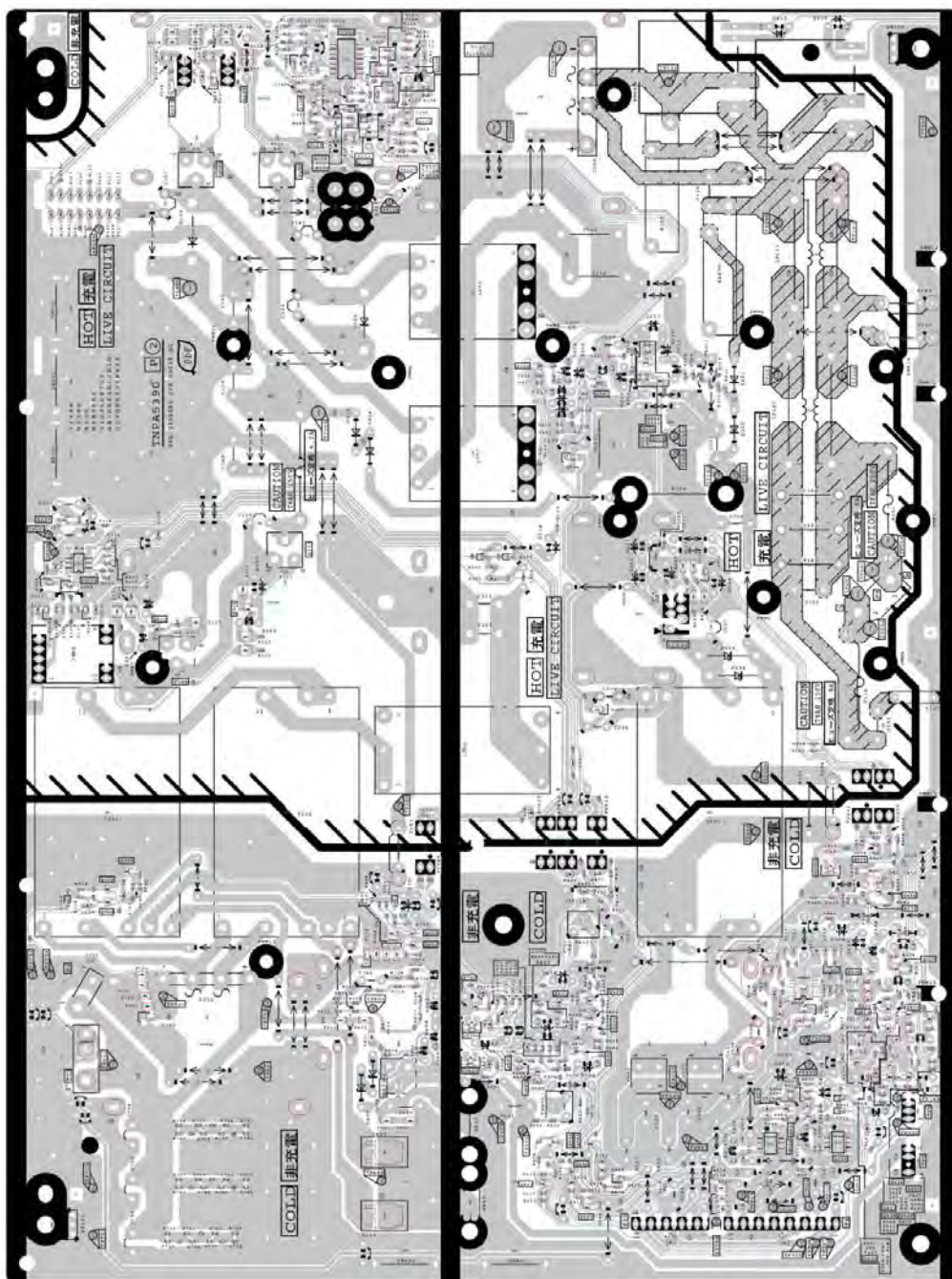


12.31. C2 Board Schematic Diagram

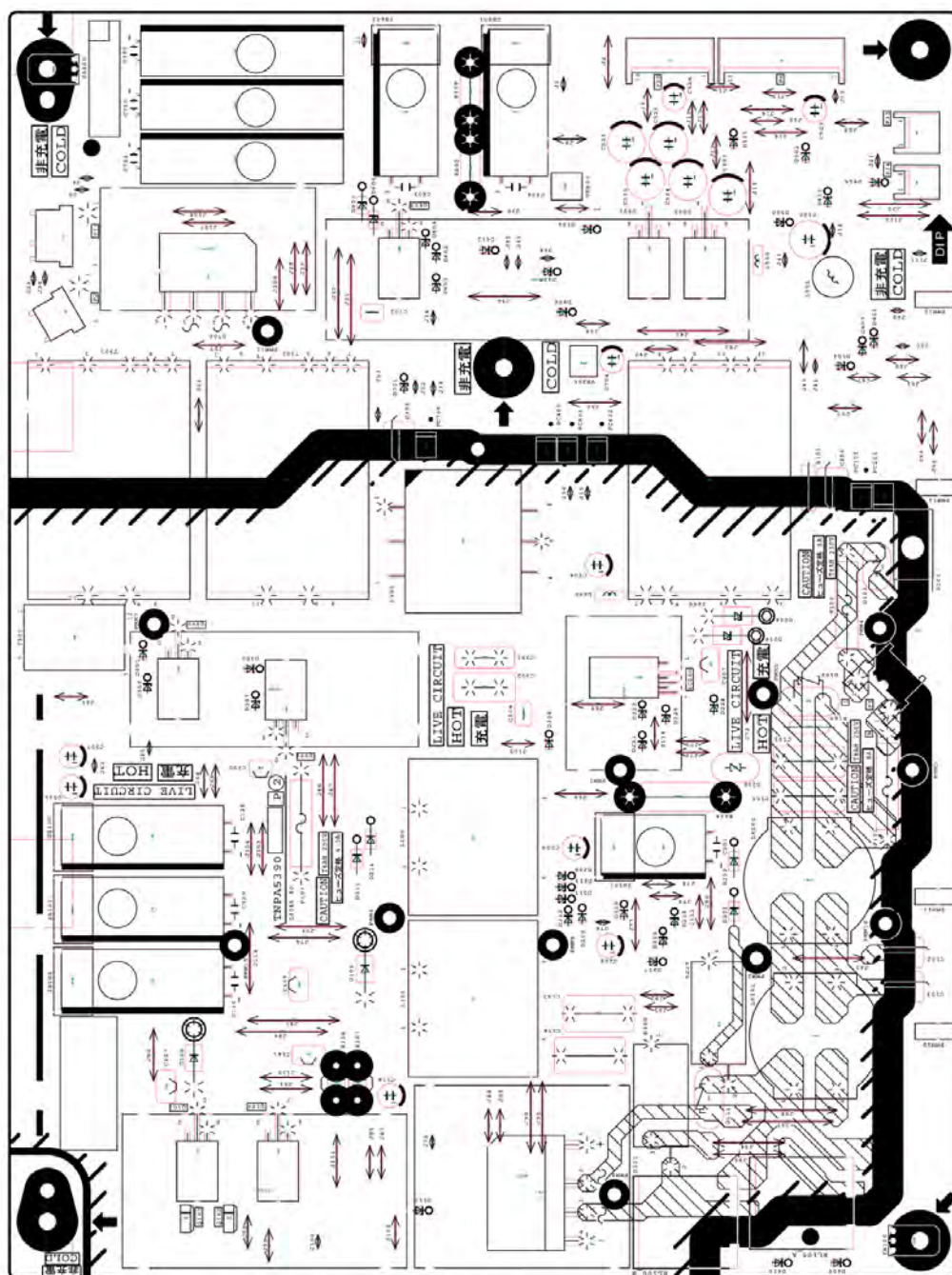


13. Printed Circuit Boards

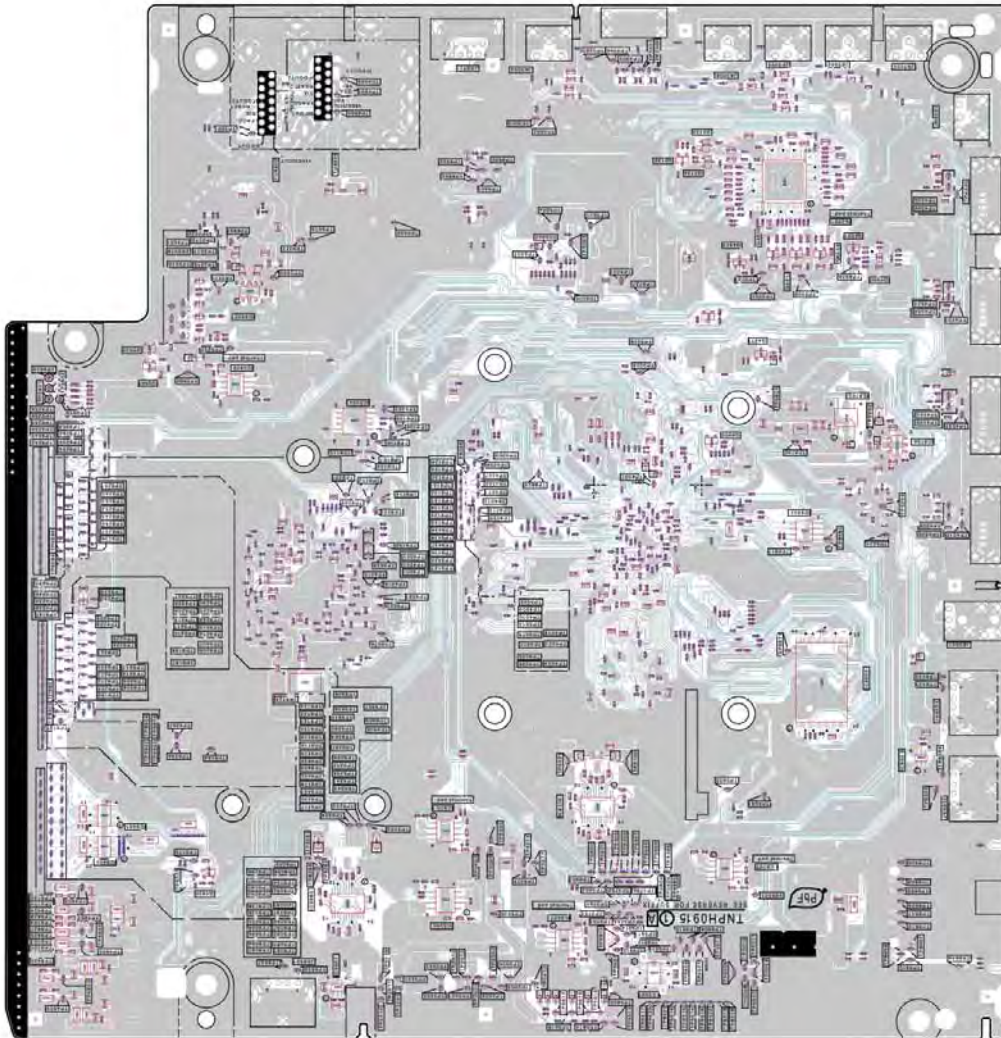
13.1. P Board (Foil side)



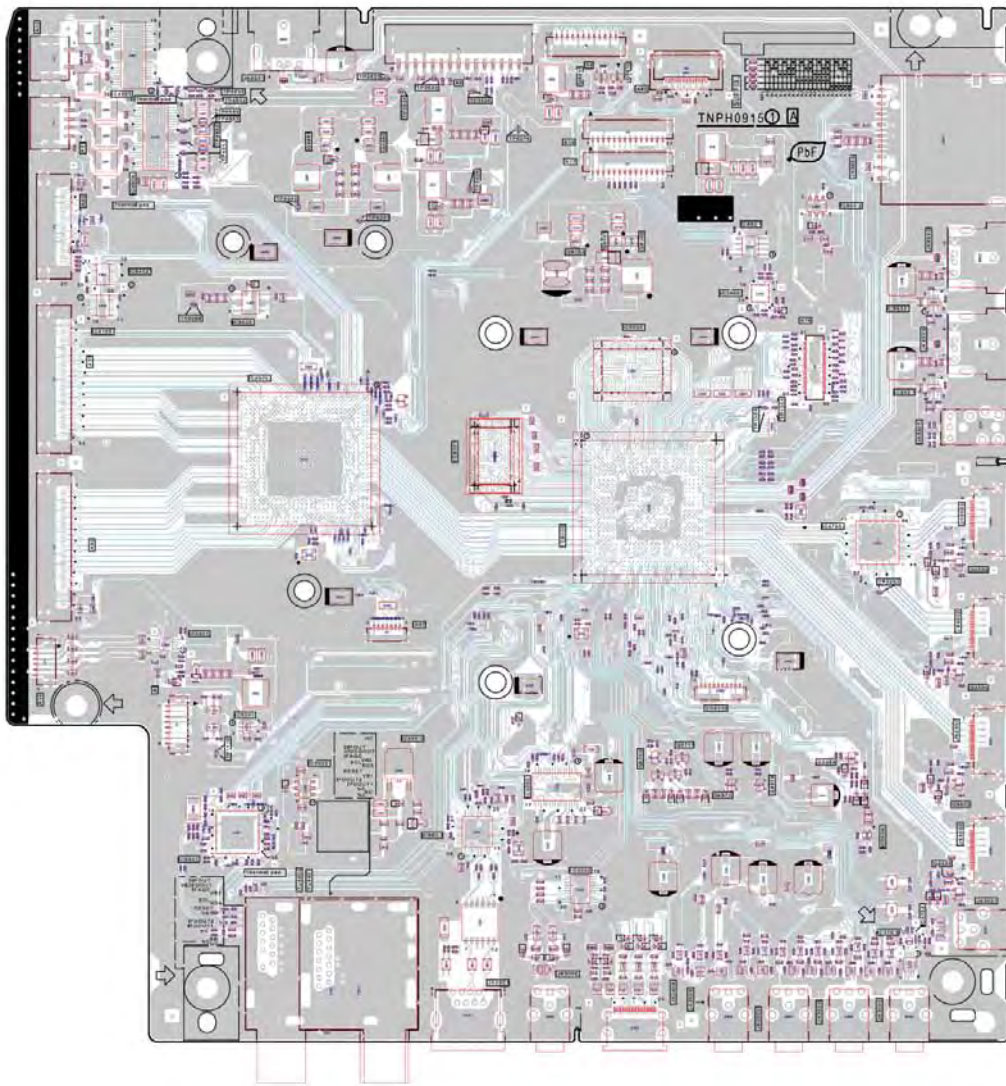
13.2. P Board (Component side)



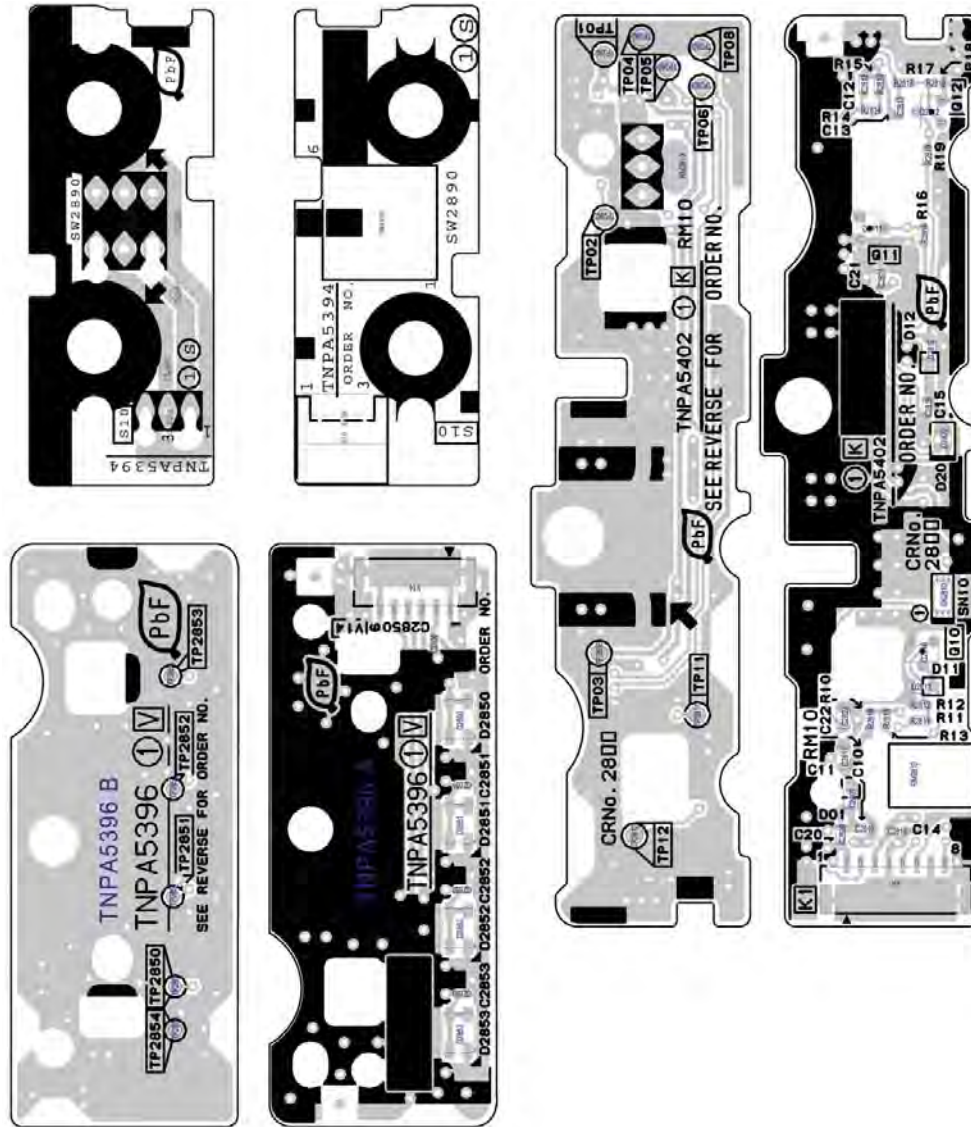
13.3. A Board (Foil side)



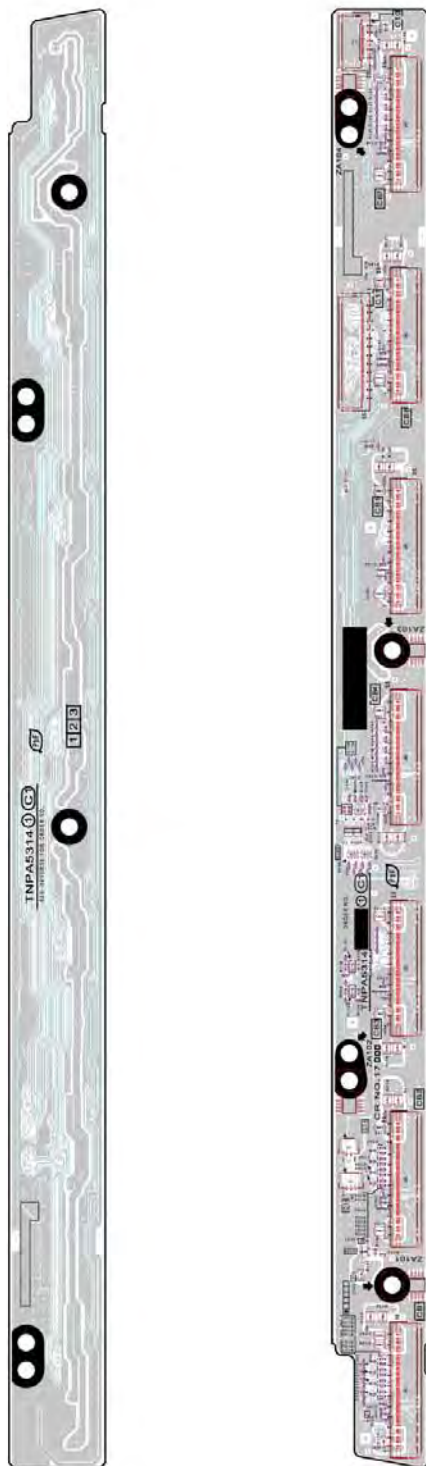
13.4. A Board (Component side)



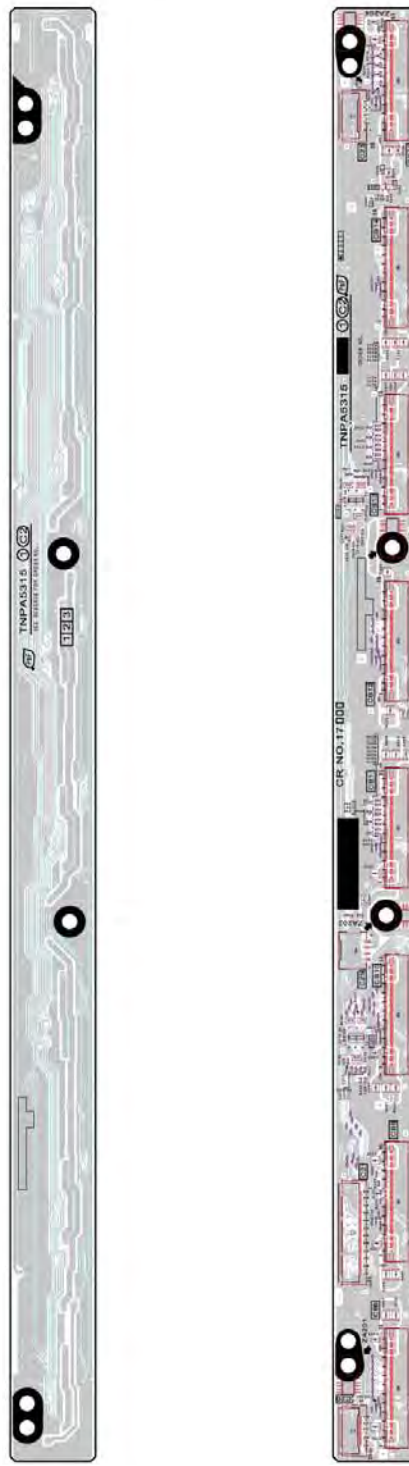
13.5. K, S and V Boards



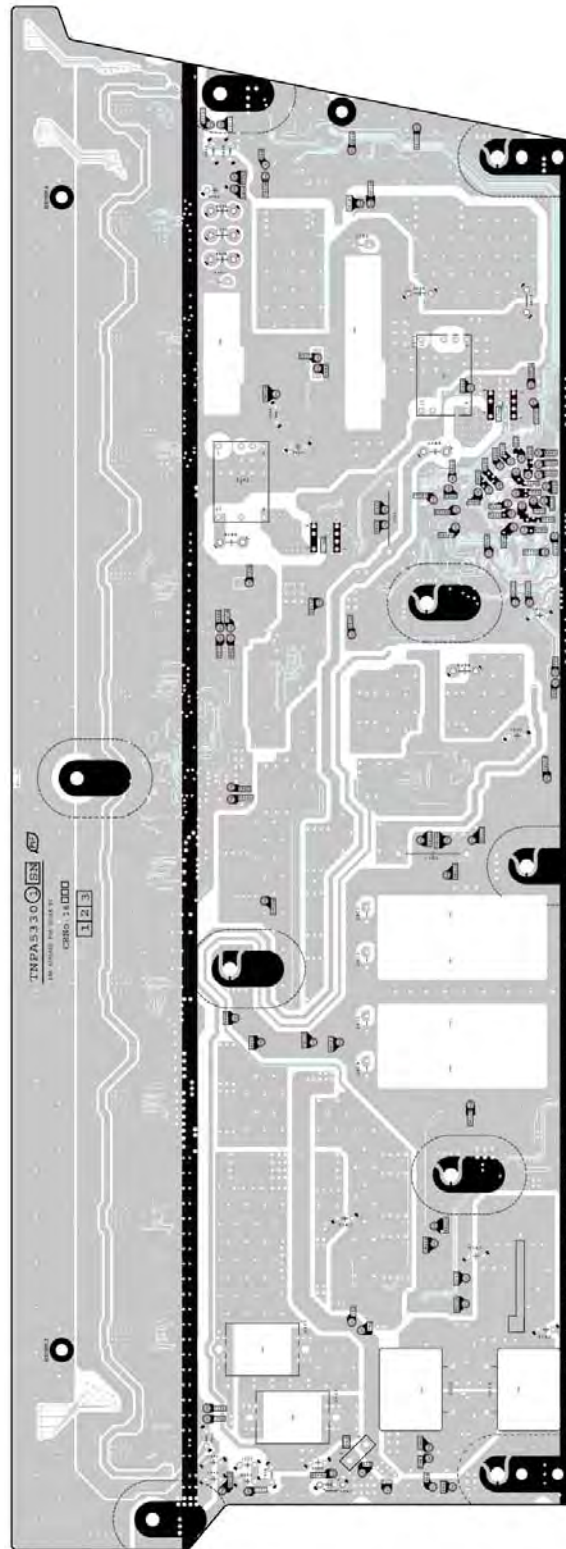
13.6. C1 Board



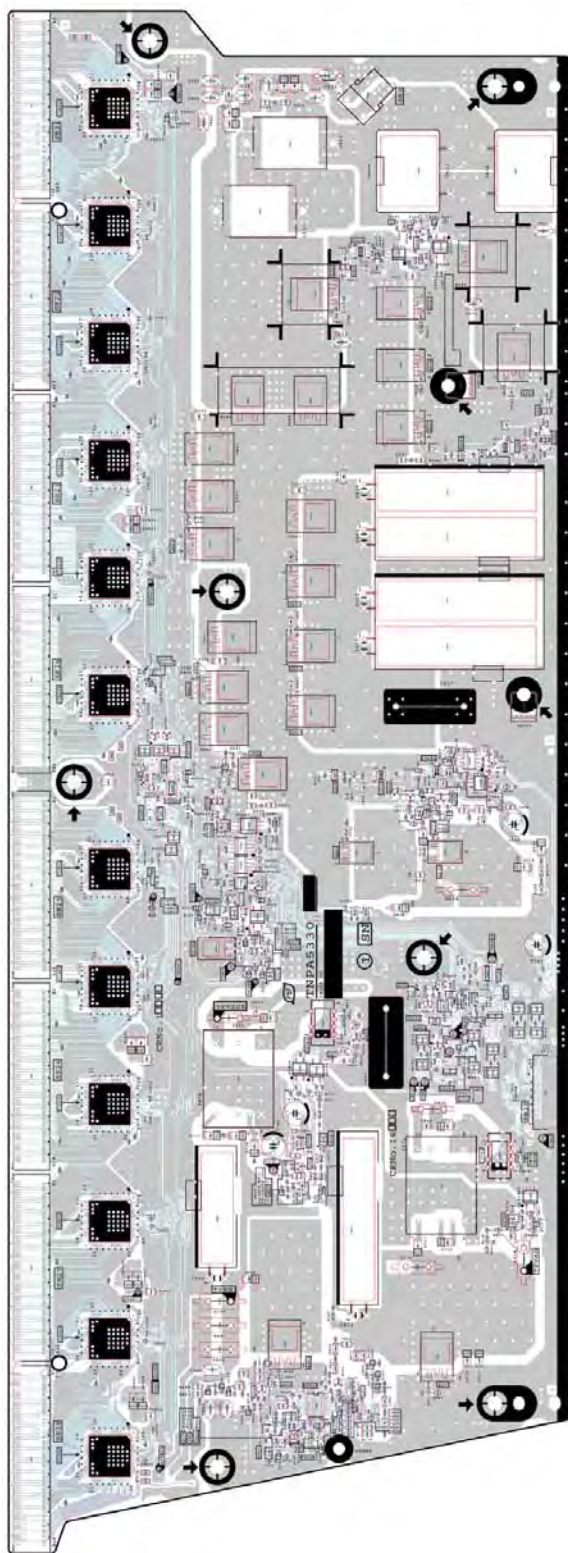
13.7. C2 Board



13.8. SN Board (Foil side)



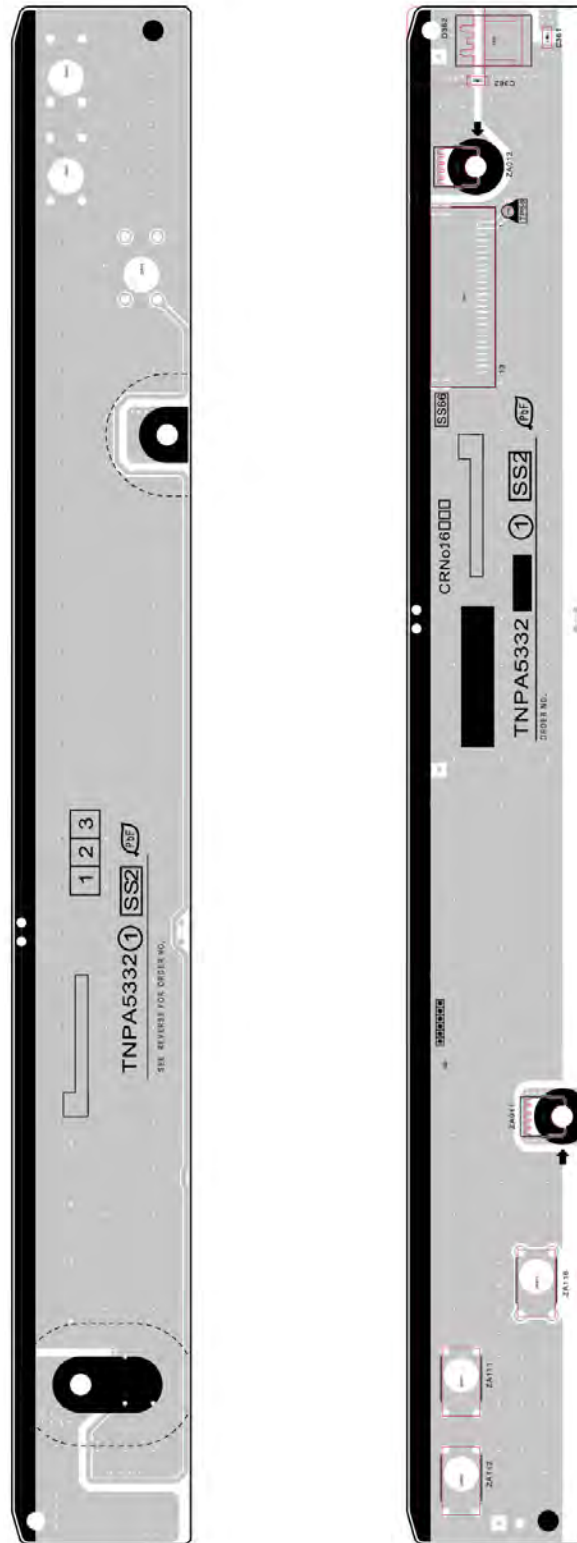
13.9. SN Board (Component side)







13.12. SS2 Board



14. Exploded View and Replacement Parts List

14.1. Replacement Parts List Note

Note: All parts except parts mentioned [PAVCTH] in the Remarks column are supplied by AVC-CSPC.
Parts mentioned [PAVCTH] are supplied by PAVCTH.

Notice: Be sure to make your orders of replacement parts according to this list.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
 Type Allowance

2. Capacitor

Example:

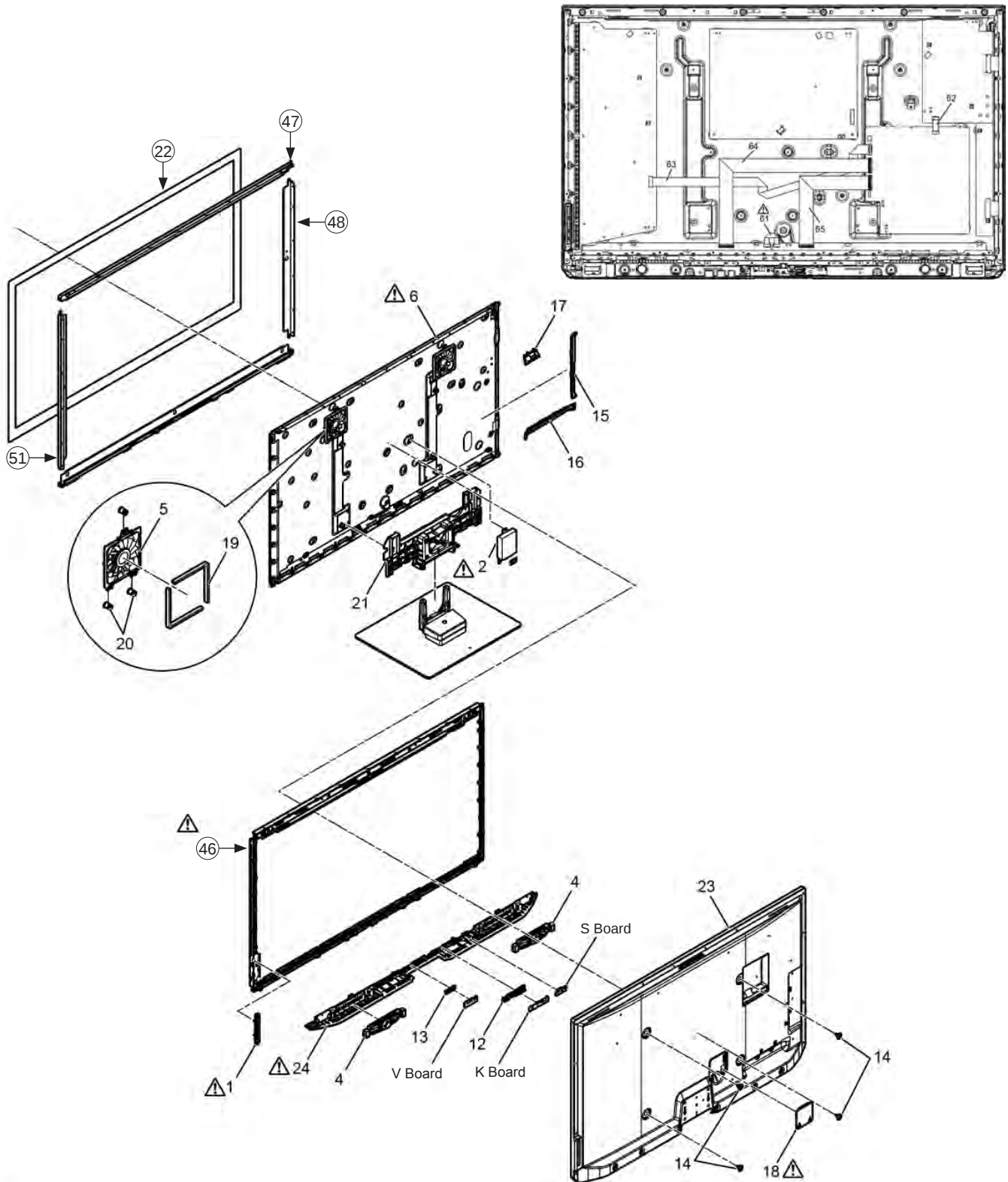
ECKF1H103ZF C 0.01UF, Z, 50V
 Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide	J : ±5%
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polyprop	G : ±3pF
lene	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

14.2. Exploded View and Mechanical Replacement Parts List

14.2.1. Cabinet Exploded View



Assembly screws

73  M5 × 20 (Silver) (4)

72  M4 × 8 (Black) (4)

71  M5 × 25 (Black) (4)

7 Stand pole (1)



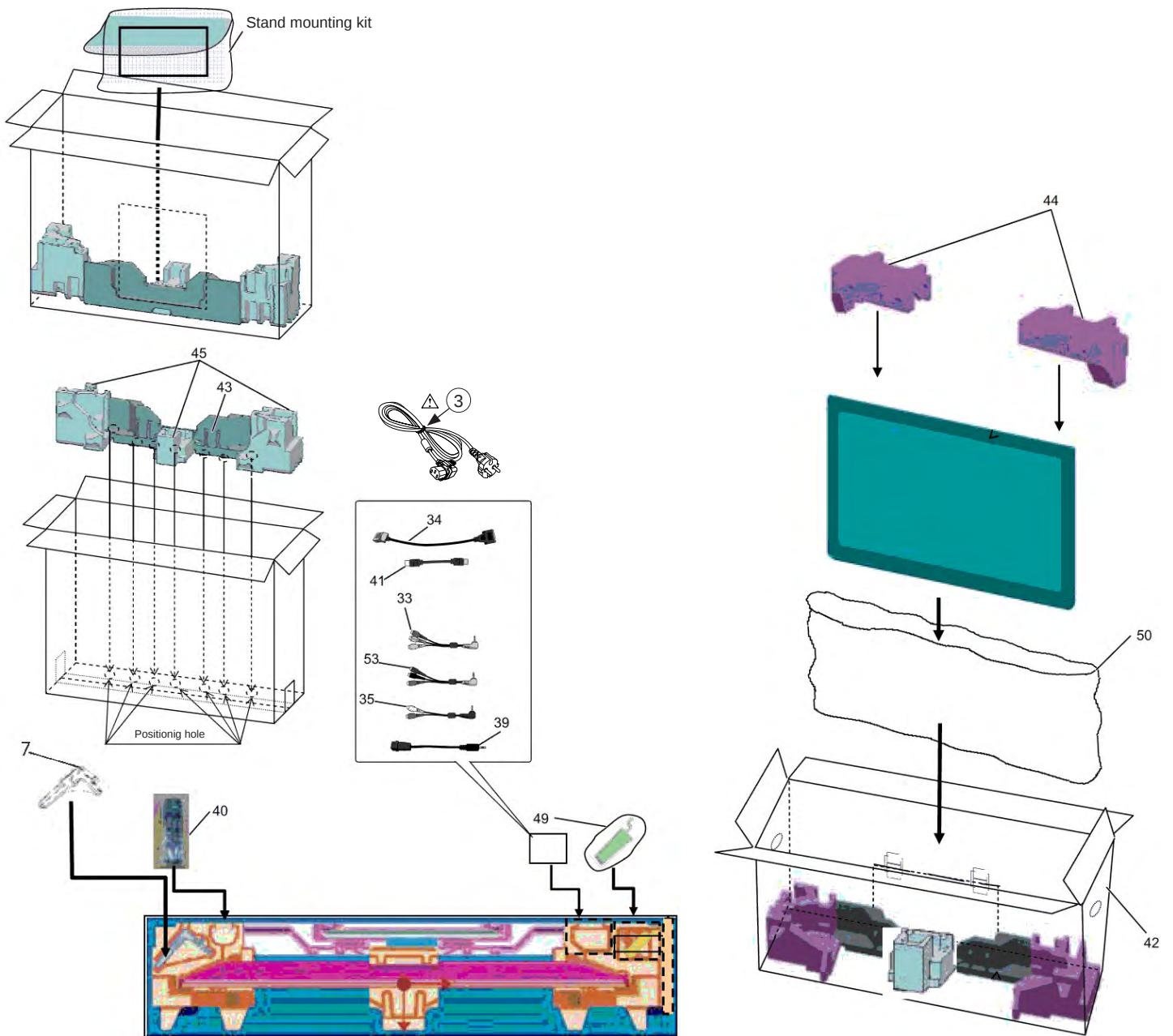
8 Pole cover (1)



9 Stand Base (1)



14.2.2. Packing and Accessories Exploded View



14.2.3. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description
1	⚠ K0RB00500040.	SIDE UNIT ASSY
2	⚠ K2AZYH000022	EMI FILTER
3	⚠ K2CK3YY00042	AC CABLE
4	L0AA12C00024	SPEAKER
5	L6FAYYYH0111	FUN
6	⚠ MD42F14A9J	PLASMA DISPLAY PANEL
7	TBL5ZA3065	STAND POLE
8	TBL5ZB3047-1	POLE COVER
9	TBL5ZX0176.-CS	PEDESTAL STAND
12	TKK4TC5007	LED PANEL
13	TKK4TC5008	EMITTER PANEL
14	TKKL5493	M8 CAP
15	TKP4TA01301	SIDE TERMINAL COVER
16	TKP4TA01602	BOTTOM TERMINAL COVER
17	TKP4TA01901	USB TERMINAL COVER
18	⚠ TKPB58201	INLET COVER
19	TMKH292	FAN SPONGE
20	TMMJ117	RUBBER CUSHION
21	TMZ2AX5012	STAND BRACKET
23	TTU2B42GT30B-CS	REAR COVER
24	⚠ TXFKY5Z0028.	BOTTOM CABINET ASSY
33	K2KYYYY00136	AV CABLE
34	K1HY20YY0007	PC CABLE
35	K2KYYYY00138	AUDIO CABLE
39	K7CXGYC00002	OPTICAL CABLE
40	TNQ2B5305	REMOTE CONTROL
41	K1TYYYY00158	TUNER CABLE
42	TPC2B42420	CARTON BOX
43	TPD2AA0304	PEDESTAL CUSHION
44	TPD4TA0089	TOP CUSHION
45	TPD4TA0090	BOTTOM CUSHION
46	⚠ TTR2B42GT30B-CS	CABINET ASS'Y
47	TUX4TJ050	CONTACT METAL - TOP
48	TUX4TJ051	CONTACT METAL - LEFT
49	N5ZZ00000216	3D GLASSES
50	TPE2B4030	PLASTIC BAG
51	TUX4TJ052	CONTACT METAL - RIGHT
53	K2KYYYY00137	COMPONENT CABLE
61	TSXM237-1	FELT W/ ADHESIVE
62	TSXM326	FFC (A40-SS33)
63	TSXM371	FFC (A20-SN20)
64	TSXM372	FFC (A31-C11)
65	TSXM373	FFC (A32-C21)

14.3. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description
PCB	TNPH0915GA	A BOARD ASS'Y
PCB	TNPA5402AB	K BOARD ASS'Y
PCB	TNPA5394	S BOARD ASS'Y
PCB	TNPA5396	V BOARD ASS'Y
PCB	TNPA5314	C1 BOARD ASS'Y
PCB	TNPA5315AC	C2 BOARD ASS'Y
PCB	TNPA5390	P BOARD ASS'Y
PCB	TNPA5330AB	SN BOARD ASS'Y
PCB	TNPA5331AE	SS BOARD ASS'Y
PCB	TNPA5332AE	SS2 BOARD ASS'Y
A1	K1KY08AA0719	8P CONNECTOR
A6	K1KY15B00006	15P CONNECTOR
A8	K1KY12AA0719	12P CONNECTOR
A11	K1KY04B00013	4P CONNECTOR
A14	K1KY06AA0719	6P CONNECTOR
A17	K1KA14A00248	14P CONNECTOR
A18	K1KA14A00248	14P CONNECTOR
A20	K1MY35BA0345	35P CONNECTOR
A31	K1MY55BA0345	55P CONNECTOR
A32	K1MY55BA0345	55P CONNECTOR
A40	K1MY20BA0345	20P CONNECTOR
C10	K1MY20BA0345	20P CONNECTOR
C11	K1MY55BA0345	55P CONNECTOR
C14	K1KY03AA0719	3P CONNECTOR
C20	K1MY20BA0345	20P CONNECTOR
C21	K1MY55BA0345	55P CONNECTOR
C25	K1KY04B00013	4P CONNECTOR
C100	F0CAF334A105	C 0.33UF, 250V
C101	F0CAF334A105	C 0.33UF, 250V
C102	F1BAF221A088	C 220PF, 250V
C103	F1BAF221A088	C 220PF, 250V
C104	ECWF2W105KAC	C 1UF, 450V
C109	ECJ1VB1H102K	C 1000 pF 50 V
C110	F1J1E105A231	C 1 UF 25V
C111	F1H1H681A971	C 680PF, 50V
C112	F1H1H104A903	C 0.1UF, 50V
C113	F1J1E105A231	C 1 UF 25V
C114	ECJ1VB1H103K	C 0.01UF, 50V
C115	ECJ1VB1H102K	C 1000 pF 50 V
C117	ECJ1VB1H102K	C 1000 pF 50 V
C118	ECJ1VB1H103K	C 0.01UF, 50V
C119	ECJ1VB1H103K	C 0.01UF, 50V
C120	ECJ1VB1H102K	C 1000 pF 50 V
C121	F1J1E105A231	C 1 UF 25V
C122	F1J1E105A231	C 1 UF 25V
C123	ECJ1VB1H103K	C 0.01UF, 50V
C128	F2A2W8200009	E 82UF 450V
C129	F2A2W8200009	E 82UF 450V
C130	F2A2W8200009	E 82UF 450V
C136	F1J1E105A231	C 1 UF 25V
C145	F1J1E105A231	C 1 UF 25V
C200	ECJ1VB1H103K	C 0.01UF, 50V

Ref. No.	Part No.	Part Name & Description
C201	F2A2W3300021	E 33UF 450V
C202	F1H1H104A903	C 0.1UF, 50V
C203	F1J1H222A721	C 2200pF, 50V
C204	F2A1V470A092	C 47UF 35V
C206	F1BAF221A088	C 220PF, 250V
C208	F2A1V470A092	C 47UF 35V
C209	F2A1V470A092	C 47UF 35V
C210	ECJ1VB1H103K	C 0.01UF, 50V
C211	ECJ1VB1H103K	C 0.01UF, 50V
C212	ECJ1VB1H103K	C 0.01UF, 50V
C213	ECJ1VB1H102K	C 1000 pF 50 V
C300	ECKD3A101KBP	C 100PF, 1KV
C301	ECWH8103RHA	C 0.01UF, Z, 800V
C302	ECWH8223RHA	C 0.022UF, Z, 800V
C303	F1BAF101A088	C 100PF, 250V
C304	ECKD3A221KBP	C 220PF, K, 1KV
C307	F2A1V470A092	C 47UF 35V
C308	F1J1H102A721	C 1000pF, 50V
C309	F1J1H104A717	C 0.1UF, 50V
C311	F2A1V470A092	C 47UF 35V
C312	F1J1E105A231	C 1 UF 25V
C313	ECJ1VB1H103K	C 0.01UF, 50V
C400	F1J1E105A231	C 1 UF 25V
C401	F1J1E105A231	C 1 UF 25V
C403	ECJ1VB1H103K	C 0.01UF, 50V
C404	ECJ1VB1H103K	C 0.01UF, 50V
C405	ECJ1VB1H103K	C 0.01UF, 50V
C406	F1J1E105A231	C 1 UF 25V
C407	F1H1H104A903	C 0.1UF, 50V
C408	ECJ1VB1H103K	C 0.01UF, 50V
C409	F1J1H104A717	C 0.1UF, 50V
C411	F1J1E105A231	C 1 UF 25V
C412	F1H1H1010005	C 100PF, 50V
C413	F1J1A106A043	C 10UF, 10V
C415	ECJ1VB1H102K	C 1000 pF 50 V
C416	ECJ1VB1H103K	C 0.01UF, 50V
C417	F1H1E1050008	C 1U 25V
C418	ECJ1VB1H103K	C 0.01UF, 50V
C419	F1J1E105A231	C 1 UF 25V
C420	F1J1E105A231	C 1 UF 25V
C421	F1J1E105A231	C 1 UF 25V
C422	F1H1H104A903	C 0.1UF, 50V
C423	F1H1H104A903	C 0.1UF, 50V
C424	ECJ1VB1H102K	C 1000 pF 50 V
C425	F1H1H104A903	C 0.1UF, 50V
C500	F2A1E471B730	E 470UF, 25V
C501	F1J1H222A721	C 2200pF, 50V
C502	F1J1E105A231	C 1 UF 25V
C503	F2A1E471B730	E 470UF, 25V
C504	F2A1E471B730	E 470UF, 25V
C505	F2A1E471B730	E 470UF, 25V
C506	F1J2E1020002	C 1000PF, 250V
C507	F1H1H104A903	C 0.1UF, 50V
C508	F1J1C2250009	C 2.2 UF 16V
C509	F1H1H104A903	C 0.1UF, 50V

Ref. No.	Part No.	Part Name & Description
C510	F1H1H104A903	C 0.1UF, 50V
C511	F1J1E3340003	C 0.33UF, 25V
C512	F1J1H223A623	C 0.022UF, 50V
C513	F1J1H472A702	C 4700PF, 50V
C514	F1J1E105A231	C 1 UF 25V
C515	F1J1H102A721	C 1000pF, 50V
C516	F1J1H102A721	C 1000pF, 50V
C517	F1J1E105A231	C 1 UF 25V
C518	F1H1H104A903	C 0.1UF, 50V
C519	F1J1E105A231	C 1 UF 25V
C522	F1J2E1020002	C 1000PF, 250V
C523	F2A1V470A092	C 47UF 35V
C524	F2A1V470A092	C 47UF 35V
C601	F1H1H3910006	C 390PF, 50V
C602	F1H1H104A903	C 0.1UF, 50V
C603	⚠ F2AZZ8210003	E 820UF,
C604	F2A1J152A574	E 1500UF, 63V
C700	⚠ F2A2E191A265	E 190UF, 250V
C701	⚠ F2A2E191A265	E 190UF, 250V
C703	F1J1E3340003	C 0.33UF, 25V
C704	F2A1V470A092	C 47UF 35V
C705	F1J1E105A231	C 1 UF 25V
C706	⚠ F2A2E191A265	E 190UF, 250V
C707	ECJ1VB1H102K	C 1000 pF 50 V
C1050	F1J1A106A087	C SMD 10,00 µF 10V
C1052	F1G1A105A047	C SMD 1,00 µF 10V
C1053	F1G1C104A077	C SMD 100,00 nF 16V
C1105	F1G1E1030005	C SMD 10,00 nF 25V
C2810	F1H1H103A219	C SMD 10,00 nF 50V
C2811	F1J1A106A087	C SMD 10,00 µF 10V
C2815	F1H1H103A219	C SMD 10,00 nF 50V
C2821	F1H1C104A041	C SMD 100,00 nF 16V
C2850	F1G1A473A032	C SMD 47,00 nF 10V
C2851	F1G1A473A032	C SMD 47,00 nF 10V
C2852	F1G1A473A032	C SMD 47,00 nF 10V
C2853	F1G1A473A032	C SMD 47,00 nF 10V
C3005	F1J1A106A043	C SMD 10,00 µF 10V
C3006	F1J1A106A043	C SMD 10,00 µF 10V
C3007	F1J1A106A043	C SMD 10,00 µF 10V
C3011	F1G1C104A077	C SMD 100,00 nF 16V
C3023	F1J1A106A043	C SMD 10,00 µF 10V
C3026	F1J1A106A043	C SMD 10,00 µF 10V
C3027	F1J1A106A043	C SMD 10,00 µF 10V
C3028	F1J1A106A043	C SMD 10,00 µF 10V
C3033	F1J1A106A043	C SMD 10,00 µF 10V
C3034	F1J1A106A043	C SMD 10,00 µF 10V
C3035	F1G1C104A077	C SMD 100,00 nF 16V
C3036	F1H1A105A025	C SMD 1,00 µF 10V
C3037	F1H1A105A025	C SMD 1,00 µF 10V
C3038	F1H1A105A025	C SMD 1,00 µF 10V
C3039	F1H1A105A025	C SMD 1,00 µF 10V
C3045	F1H1A105A025	C SMD 1,00 µF 10V
C3046	F1H1A105A025	C SMD 1,00 µF 10V
C3047	F1J1A106A043	C SMD 10,00 µF 10V
C3048	F1H1A105A025	C SMD 1,00 µF 10V

Ref. No.	Part No.	Part Name & Description
C3049	F1H1A105A025	C SMD 1,00 µF 10V
C3054	F1G1C104A077	C SMD 100,00 nF 16V
C3067	F1G1E333A091	C SMD 33,00 nF 25V
C3068	F1G1E333A091	C SMD 33,00 nF 25V
C3078	F1G1H5610004	C SMD 560,00 PF 50V
C3079	F1G1H5610004	C SMD 560,00 PF 50V
C3081	F1G1H5610004	C SMD 560,00 PF 50V
C3082	F1G1H5610004	C SMD 560,00 PF 50V
C3087	F1G1H5610004	C SMD 560,00 PF 50V
C3088	F1G1H5610004	C SMD 560,00 PF 50V
C3130	F1G1H5610004	C SMD 560,00 PF 50V
C3131	F1G1H5610004	C SMD 560,00 PF 50V
C3134	F1G1H5610004	C SMD 560,00 PF 50V
C3135	F1G1H5610004	C SMD 560,00 PF 50V
C3153	F1H1A105A025	C SMD 1,00 µF 10V
C3157	F1G1C104A077	C SMD 100,00 nF 16V
C3301	F1J1A106A043	C SMD 10,00 µF 10V
C3302	F1J1A106A043	C SMD 10,00 µF 10V
C3303	F1J1A106A043	C SMD 10,00 µF 10V
C3750	F1G1C104A077	C SMD 100,00 nF 16V
C4500	F1H1A105A025	C SMD 1,00 µF 10V
C4506	F1H1A105A025	C SMD 1,00 µF 10V
C4619	F1H1A105A025	C SMD 1,00 µF 10V
C4622	F1H1A105A025	C SMD 1,00 µF 10V
C4625	F1H1A105A025	C SMD 1,00 µF 10V
C4713	F1G1C104A077	C SMD 100,00 nF 16V
C4716	F1G1C104A077	C SMD 100,00 nF 16V
C4722	F1G1C104A077	C SMD 100,00 nF 16V
C4723	F1G1C104A077	C SMD 100,00 nF 16V
C4727	F1J1A106A087	C SMD 10,00 µF 10V
C4802	F1J1A106A043	C SMD 10,00 µF 10V
C4804	F1J1A106A043	C SMD 10,00 µF 10V
C4805	F1G1H220A565	C SMD 22,00 PF 50V
C4806	F1G1C104A077	C SMD 100,00 nF 16V
C4810	F1G1A105A047	C SMD 1,00 µF 10V
C4811	F1G1A105A047	C SMD 1,00 µF 10V
C4812	F1G1C104A077	C SMD 100,00 nF 16V
C4813	F1J1A106A043	C SMD 10,00 µF 10V
C4816	F1G1C104A077	C SMD 100,00 nF 16V
C4817	F1G1C104A077	C SMD 100,00 nF 16V
C4820	F1G1H101A565	C SMD 100,00 PF 50V
C4821	F1G1H101A565	C SMD 100,00 PF 50V
C4824	F1G1H150A565	C SMD 15,00 PF 50V
C4835	F1H1H1500009	C SMD 15,00 PF 50V
C4836	F1J1A106A043	C SMD 10,00 µF 10V
C4837	F1G1H1020008	C SMD 1,00 nF 50V
C4840	F1G1H101A565	C SMD 100,00 PF 50V
C4841	F1G1H101A565	C SMD 100,00 PF 50V
C4907	F1G1C104A077	C SMD 100,00 nF 16V
C4911	F1J1E105A231	C SMD 1,00 µF 25V
C4912	F1K1E106A136	C SMD 10,00 µF 25V
C4914	F1H1H104A970	C SMD 100,00 nF 50V
C4915	F1J1E105A231	C SMD 1,00 µF 25V
C4916	F1H1H104A970	C SMD 100,00 nF 50V
C4918	F1J1E4740001	C SMD 470,00 nF 25V

Ref. No.	Part No.	Part Name & Description
C4919	F1J1E4740001	C SMD 470,00 nF 25V
C4921	F1J1E105A231	C SMD 1,00 µF 25V
C4922	F1K1E106A136	C SMD 10,00 µF 25V
C4924	F1H1H104A970	C SMD 100,00 nF 50V
C4925	F1J1E105A231	C SMD 1,00 µF 25V
C4926	F1H1H104A970	C SMD 100,00 nF 50V
C4928	F1J1E4740001	C SMD 470,00 nF 25V
C4929	F1J1E4740001	C SMD 470,00 nF 25V
C4930	F1G1C104A077	C SMD 100,00 nF 16V
C4931	F1G1C104A077	C SMD 100,00 nF 16V
C4941	F1J1A106A043	C SMD 10,00 µF 10V
C4942	F1J1A106A043	C SMD 10,00 µF 10V
C4952	F2H1A101A040	E SMD 100,00 µF 10V
C4953	F2H1A101A040	E SMD 100,00 µF 10V
C4954	F1G1E333A091	C SMD 33,00 nF 25V
C4955	F1G1E333A091	C SMD 33,00 nF 25V
C5000	F1G1E1030005	C SMD 10,00 nF 25V
C5002	F1J1E105A231	C SMD 1,00 µF 25V
C5003	F1H1C105A145	C SMD 1.000,00 nF 16V
C5011	F1G1C104A077	C SMD 100,00 nF 16V
C5012	EEEHB1C101UP	E SMD 100,00 µF 16V
C5013	F1H1A105A025	C SMD 1,00 µF 10V
C5014	F1H1A105A025	C SMD 1,00 µF 10V
C5015	F1H1A105A025	C SMD 1,00 µF 10V
C5016	F1H1A105A025	C SMD 1,00 µF 10V
C5017	F1H1A105A025	C SMD 1,00 µF 10V
C5018	F1G1C104A077	C SMD 100,00 nF 16V
C5020	F1G1E1030005	C SMD 10,00 nF 25V
C5255	F1H1A105A025	C SMD 1,00 µF 10V
C5256	F1H1A105A025	C SMD 1,00 µF 10V
C5352	F1J1A106A043	C SMD 10,00 µF 10V
C5353	F1G1H103A509	C SMD 10,00 nF 50V
C5356	F1K1E106A136	C SMD 10,00 µF 25V
C5357	F1K1E106A136	C SMD 10,00 µF 25V
C5358	F1J1A106A043	C SMD 10,00 µF 10V
C5359	F1G1H821A459	C SMD 820,00 PF 50V
C5371	F1J1A106A043	C SMD 10,00 µF 10V
C5668	F1G1C223A081	C SMD 22,00 nF 16V
C5669	F1J1A106A043	C SMD 10,00 µF 10V
C5670	F1J1A106A043	C SMD 10,00 µF 10V
C5672	F1G1A333A032	C SMD 33,00 nF 10V
C5673	F1G1H5610004	C SMD 560,00 PF 50V
C5676	F1K1E106A136	C SMD 10,00 µF 25V
C5762	F1K1E105A029	C SMD 1,00 µF 25V
C5900	F1J1A106A043	C SMD 10,00 µF 10V
C5901	F1J1A106A043	C SMD 10,00 µF 10V
C5902	F1J1A106A043	C SMD 10,00 µF 10V
C5905	F1G1C223A081	C SMD 22,00 nF 16V
C5906	F1K1E106A136	C SMD 10,00 µF 25V
C5908	F1G1A333A032	C SMD 33,00 nF 10V
C5909	F1G1H1020008	C SMD 1,00 nF 50V
C5911	F1J1A106A043	C SMD 10,00 µF 10V
C5912	F1G1E472A086	C SMD 4,70 nF 25V
C5913	F1G1A473A032	C SMD 47,00 nF 10V
C5915	F1G1A473A032	C SMD 47,00 nF 10V

Ref. No.	Part No.	Part Name & Description
C5917	F1G1A473A032	C SMD 47,00 nF 10V
C5919	F1G1A473A032	C SMD 47,00 nF 10V
C8001	F1G1C104A077	C SMD 100,00 nF 16V
C8002	F1J1A106A087	C SMD 10,00 µF 10V
C8003	F1G1C104A077	C SMD 100,00 nF 16V
C8004	F1G1C104A077	C SMD 100,00 nF 16V
C8005	F1G1C104A077	C SMD 100,00 nF 16V
C8006	F1G1C104A077	C SMD 100,00 nF 16V
C8007	F1G1C104A077	C SMD 100,00 nF 16V
C8008	F1G1C104A077	C SMD 100,00 nF 16V
C8009	F1J1A106A087	C SMD 10,00 µF 10V
C8011	F1G1C104A077	C SMD 100,00 nF 16V
C8013	F1G1C104A077	C SMD 100,00 nF 16V
C8014	F1G1C104A077	C SMD 100,00 nF 16V
C8015	F1G1C104A077	C SMD 100,00 nF 16V
C8016	F1G1C104A077	C SMD 100,00 nF 16V
C8017	F1J1A106A087	C SMD 10,00 µF 10V
C8018	F1G1C104A077	C SMD 100,00 nF 16V
C8019	F1G1C104A077	C SMD 100,00 nF 16V
C8020	F1G1C104A077	C SMD 100,00 nF 16V
C8021	F1G1C104A077	C SMD 100,00 nF 16V
C8022	F1J1A106A087	C SMD 10,00 µF 10V
C8023	F1J1A106A087	C SMD 10,00 µF 10V
C8024	F1J0G2260001	C SMD 22,00 µF 4V
C8026	F1G1C104A077	C SMD 100,00 nF 16V
C8027	F1G1C104A077	C SMD 100,00 nF 16V
C8028	F1G1C104A077	C SMD 100,00 nF 16V
C8030	F1G1C104A077	C SMD 100,00 nF 16V
C8032	F1G1C104A077	C SMD 100,00 nF 16V
C8036	F1G1C104A077	C SMD 100,00 nF 16V
C8039	F1G1C104A077	C SMD 100,00 nF 16V
C8041	F1G1H1020008	C SMD 1,00 nF 50V
C8042	F1G1C104A077	C SMD 100,00 nF 16V
C8043	F1G1C104A077	C SMD 100,00 nF 16V
C8044	F1G1C104A077	C SMD 100,00 nF 16V
C8045	F1G1C104A077	C SMD 100,00 nF 16V
C8047	F1G1C104A077	C SMD 100,00 nF 16V
C8048	F1G1C104A077	C SMD 100,00 nF 16V
C8049	F1J1A106A087	C SMD 10,00 µF 10V
C8050	F1G1C104A077	C SMD 100,00 nF 16V
C8051	F1J1A106A087	C SMD 10,00 µF 10V
C8052	F1G1C104A077	C SMD 100,00 nF 16V
C8053	F1G1C104A077	C SMD 100,00 nF 16V
C8054	F1G1C104A077	C SMD 100,00 nF 16V
C8055	F1G1C104A077	C SMD 100,00 nF 16V
C8056	F1G1C104A077	C SMD 100,00 nF 16V
C8057	F1G1C104A077	C SMD 100,00 nF 16V
C8100	F1G1E682A123	C SMD 6,80 nF 25V
C8102	F1J1A475A087	C SMD 4,70 µF 10V
C8104	F1H1C105A145	C SMD 1.000,00 nF 16V
C8106	F1G1C223A081	C SMD 22,00 nF 16V
C8108	F1G1C104A077	C SMD 100,00 nF 16V
C8110	F1G1C104A077	C SMD 100,00 nF 16V
C8112	F1K1E106A136	C SMD 10,00 µF 25V
C8114	F1K1E106A136	C SMD 10,00 µF 25V

Ref. No.	Part No.	Part Name & Description
C8116	F1K1E106A136	C SMD 10,00 µF 25V
C8118	F1K1E106A136	C SMD 10,00 µF 25V
C8120	F1J0G2260001	C SMD 22,00 µF 4V
C8122	F1J0G2260001	C SMD 22,00 µF 4V
C8124	F1J0G2260001	C SMD 22,00 µF 4V
C8126	F1J0G2260001	C SMD 22,00 µF 4V
C8128	F1J0G2260001	C SMD 22,00 µF 4V
C8200	F1G1C104A077	C SMD 100,00 nF 16V
C8201	F1G1C104A077	C SMD 100,00 nF 16V
C8202	F1G1C104A077	C SMD 100,00 nF 16V
C8203	F1G1C104A077	C SMD 100,00 nF 16V
C8204	F1G1C104A077	C SMD 100,00 nF 16V
C8205	F1J1A106A087	C SMD 10,00 µF 10V
C8206	F1G1C104A077	C SMD 100,00 nF 16V
C8208	F1G1C104A077	C SMD 100,00 nF 16V
C8210	F1G1C104A077	C SMD 100,00 nF 16V
C8213	F1G1C104A077	C SMD 100,00 nF 16V
C8214	F1J1A106A087	C SMD 10,00 µF 10V
C8216	F1G1C104A077	C SMD 100,00 nF 16V
C8218	F1G1C104A077	C SMD 100,00 nF 16V
C8219	F1G1C104A077	C SMD 100,00 nF 16V
C8222	F1G1C104A077	C SMD 100,00 nF 16V
C8223	F1G1C104A077	C SMD 100,00 nF 16V
C8224	F1G1C104A077	C SMD 100,00 nF 16V
C8225	F1G1C104A077	C SMD 100,00 nF 16V
C8226	F1G1C104A077	C SMD 100,00 nF 16V
C8227	F1G1C104A077	C SMD 100,00 nF 16V
C8300	F1G1H9R0A732	C SMD 9,00 PF 50V
C8301	F1G1H9R0A732	C SMD 9,00 PF 50V
C8302	F1G1C104A077	C SMD 100,00 nF 16V
C8303	F1G1C104A077	C SMD 100,00 nF 16V
C8304	F1G1C104A077	C SMD 100,00 nF 16V
C8305	F1G1A105A047	C SMD 1,00 µF 10V
C8306	F1G1A105A047	C SMD 1,00 µF 10V
C8307	F1G1A105A047	C SMD 1,00 µF 10V
C8308	F1G1A105A047	C SMD 1,00 µF 10V
C8309	F1G1A105A047	C SMD 1,00 µF 10V
C8310	F1G1A105A047	C SMD 1,00 µF 10V
C8311	F1G1A105A047	C SMD 1,00 µF 10V
C8532	EEEHBOJ221UP	E SMD 220,00 µF 6,3 V
C8534	F1J1A106A043	C SMD 10,00 µF 10V
C8535	F1G1C104A077	C SMD 100,00 nF 16V
C8536	EEEHBOJ221UP	E SMD 220,00 µF 6,3 V
C8538	F1J1A106A043	C SMD 10,00 µF 10V
C8539	F1G1C104A077	C SMD 100,00 nF 16V
C8542	F1J1A106A043	C SMD 10,00 µF 10V
C8543	F1G1C104A077	C SMD 100,00 nF 16V
C8544	F1J1A106A043	C SMD 10,00 µF 10V
C8545	F1G1C104A077	C SMD 100,00 nF 16V
C8603	F1J1A106A087	C SMD 10,00 µF 10V
C8604	F1G1C104A077	C SMD 100,00 nF 16V
C8605	F1G1C104A077	C SMD 100,00 nF 16V
C8607	F1G1H100A565	C SMD 10,00 PF 50V
C8608	F1G1H100A565	C SMD 10,00 PF 50V
C8609	F1G1C104A077	C SMD 100,00 nF 16V

Ref. No.	Part No.	Part Name & Description
C8611	F1G1C104A077	C SMD 100,00 nF 16V
C8615	F1J1A106A087	C SMD 10,00 µF 10V
C8616	F1J1A106A087	C SMD 10,00 µF 10V
C8617	F1G1C104A077	C SMD 100,00 nF 16V
C8619	F1G1C104A077	C SMD 100,00 nF 16V
C8620	F1G1C104A077	C SMD 100,00 nF 16V
C8627	F1G1C104A077	C SMD 100,00 nF 16V
C8629	F1J0G2260001	C SMD 22,00 µF 4V
C8630	F1J0G2260001	C SMD 22,00 µF 4V
C8644	F1G1C104A077	C SMD 100,00 nF 16V
C8654	F1G1H470A565	C SMD 47,00 PF 50V
C8655	F1G1H470A565	C SMD 47,00 PF 50V
C8656	F1G1H470A565	C SMD 47,00 PF 50V
C8657	F1G1H470A565	C SMD 47,00 PF 50V
C8662	F1G1H1020008	C SMD 1,00 nF 50V
C8663	F1G1H1020008	C SMD 1,00 nF 50V
C8664	F1G1H1020008	C SMD 1,00 nF 50V
C8665	F1G1H101A565	C SMD 100,00 PF 50V
C8666	F1G1H101A565	C SMD 100,00 PF 50V
C8676	F1J1A106A087	C SMD 10,00 µF 10V
C8677	F1G1C104A077	C SMD 100,00 nF 16V
C8680	EEEHBOJ221UP	E SMD 220,00 µF 6,3 V
C8681	F1J1A106A087	C SMD 10,00 µF 10V
C8682	F1G1C104A077	C SMD 100,00 nF 16V
C8707	F1G1C223A081	C SMD 22,00 nF 16V
C8708	F1J1A106A043	C SMD 10,00 µF 10V
C8709	F1J1A106A043	C SMD 10,00 µF 10V
C8711	F1G1A333A032	C SMD 33,00 nF 10V
C8712	F1G1H5610004	C SMD 560,00 PF 50V
C8714	F1J1A475A087	C SMD 4,70 µF 10V
C8715	F1J1A106A043	C SMD 10,00 µF 10V
C8716	F1G1C104A077	C SMD 100,00 nF 16V
C8717	F1G1C104A077	C SMD 100,00 nF 16V
C8724	F1K1E106A136	C SMD 10,00 µF 25V
C8763	F1G1C104A077	C SMD 100,00 nF 16V
C8764	F1J1A475A087	C SMD 4,70 µF 10V
C8765	F1J1A475A087	C SMD 4,70 µF 10V
C8773	F1K1E106A136	C SMD 10,00 µF 25V
C8774	F1K1E106A136	C SMD 10,00 µF 25V
C8775	F1G1C223A081	C SMD 22,00 nF 16V
C8776	F1G1E1030005	C SMD 10,00 nF 25V
C8777	F1G1E1030005	C SMD 10,00 nF 25V
C8778	F1G1H222A571	C SMD 2,20 nF 50V
C8779	F1K0J226A049	C SMD 22,00 µF 6,3 V
C8780	F1K0J226A049	C SMD 22,00 µF 6,3 V
C8781	F1G1C104A077	C SMD 100,00 nF 16V
C8900	F1G1C104A077	C SMD 100,00 nF 16V
C8901	F1G1C104A077	C SMD 100,00 nF 16V
C8902	F1G1C104A077	C SMD 100,00 nF 16V
C8903	F1G1C104A077	C SMD 100,00 nF 16V
C8950	F1G1H220A565	C SMD 22,00 PF 50V
C8951	F1G1H220A565	C SMD 22,00 PF 50V
C9052	F1G1C104A077	C SMD 100,00 nF 16V
C9099	F1G1C104A077	C SMD 100,00 nF 16V
C9100	F1J1A106A087	C SMD 10,00 µF 10V

Ref. No.	Part No.	Part Name & Description
C9101	F1G1E1030005	C SMD 10,00 nF 25V
C9102	F1K1E106A136	C SMD 10,00 µF 25V
C9103	F1G1E1030005	C SMD 10,00 nF 25V
C9300	F1G1C104A077	C SMD 100,00 nF 16V
C9301	F1G1H120A565	C SMD 12,00 PF 50V
C9302	F1G1H180A565	C SMD 18,00 PF 50V
C9308	F1G1C104A077	C SMD 100,00 nF 16V
C9311	F1G1C104A077	C SMD 100,00 nF 16V
C9312	F1J1A106A087	C SMD 10,00 µF 10V
C9313	F1G1C104A077	C SMD 100,00 nF 16V
C9328	F1G1C104A077	C SMD 100,00 nF 16V
C9330	F1G1A105A047	C SMD 1,00 µF 10V
C9331	F1G1A105A047	C SMD 1,00 µF 10V
C9332	F1G1A105A047	C SMD 1,00 µF 10V
C9337	F1J1A106A087	C SMD 10,00 µF 10V
C9362	F1G1C104A077	C SMD 100,00 nF 16V
C9366	F1G1A105A047	C SMD 1,00 µF 10V
C9371	F1J1A106A087	C SMD 10,00 µF 10V
C9375	F1G1C104A077	C SMD 100,00 nF 16V
C9380	F1G1C104A077	C SMD 100,00 nF 16V
C9389	F1G1A105A047	C SMD 1,00 µF 10V
C9392	F1J1A106A087	C SMD 10,00 µF 10V
C9400	F1G1C104A077	C SMD 100,00 nF 16V
C9401	F1G1C104A077	C SMD 100,00 nF 16V
C9402	F1G1C104A077	C SMD 100,00 nF 16V
C9404	F1G1C104A077	C SMD 100,00 nF 16V
C9407	F1G1C104A077	C SMD 100,00 nF 16V
C9409	F1J1A106A087	C SMD 10,00 µF 10V
C9411	F1J1A106A087	C SMD 10,00 µF 10V
C9413	F1J1A106A087	C SMD 10,00 µF 10V
C9415	F1J1A106A087	C SMD 10,00 µF 10V
C9589	F1J1A106A087	C SMD 10,00 µF 10V
C9590	F1G1E1030005	C SMD 10,00 nF 25V
C9591	F1G1C104A077	C SMD 100,00 nF 16V
C9820	F1J1A106A087	C SMD 10,00 µF 10V
C9822	F1J1A106A087	C SMD 10,00 µF 10V
C9860	F1G1E472A086	C SMD 4,70 nF 25V
C9861	F1J1A475A087	C SMD 4,70 µF 10V
C9862	F1K1E106A136	C SMD 10,00 µF 25V
C9863	F1K1E106A136	C SMD 10,00 µF 25V
C9864	F1K1E106A136	C SMD 10,00 µF 25V
C9865	F1J1A106A043	C SMD 10,00 µF 10V
C9866	F1J0G2260001	C SMD 22,00 µF 4V
C9867	F1J1A106A043	C SMD 10,00 µF 10V
C9868	F1J0G2260001	C SMD 22,00 µF 4V
C9869	F1J1A106A043	C SMD 10,00 µF 10V
C9871	F1J0G2260001	C SMD 22,00 µF 4V
C9872	F1H1C105A145	C SMD 1.000,00 nF 16V
C9873	F1G1E122A123	C SMD 1,20 nF 25V
C9874	F1G1C104A077	C SMD 100,00 nF 16V
C9875	F1G1C104A077	C SMD 100,00 nF 16V
C9876	F1K1E106A136	C SMD 10,00 µF 25V
C14602	F1H1C105A145	C 1 UF 16 V
C14603	F1G1H1020008	C 1000PF 50V
C14605	F1G1H391A731	C 390PF, 50V

Ref. No.	Part No.	Part Name & Description
C14606	F1G1H391A731	C 390PF, 50V
C14607	F1G1H1020008	C 1000PF 50V
C14608	F1G1H391A731	C 390PF, 50V
C14609	F1G1H391A731	C 390PF, 50V
C14612	F1H1C105A145	C 1 UF 16 V
C14616	F1H1C105A145	C 1 UF 16 V
C14620	F1H1C105A145	C 1 UF 16 V
C14629	F1H1C105A145	C 1 UF 16 V
C14633	F1H1C105A145	C 1 UF 16 V
C14651	F1L2E104A028	C 0.10UF, 250V
C14652	F1L2E104A028	C 0.10UF, 250V
C14803	F1H1C105A145	C 1 UF 16 V
C14806	F1G1H1020008	C 1000PF 50V
C14807	F1G1H391A731	C 390PF, 50V
C14808	F1G1H391A731	C 390PF, 50V
C14809	F1G1H391A731	C 390PF, 50V
C14810	F1G1H391A731	C 390PF, 50V
C14813	F1H1C105A145	C 1 UF 16 V
C14817	F1H1C105A145	C 1 UF 16 V
C14821	F1H1C105A145	C 1 UF 16 V
C14825	F1H1C105A145	C 1 UF 16 V
C14834	F1H1C105A145	C 1 UF 16 V
C14851	F1L2E104A028	C 0.10UF, 250V
C14852	F1L2E104A028	C 0.10UF, 250V
C14902	F1H1C105A145	C 1 UF 16 V
C14903	F1H1C105A145	C 1 UF 16 V
C14904	F1H1C105A145	C 1 UF 16 V
C14905	F1G1H101A565	C 100PF 50V
C14906	F1H1C105A145	C 1 UF 16 V
C14907	F1H1C105A145	C 1 UF 16 V
C14910	F1H1C105A145	C 1 UF 16 V
C14911	F1K1E475A134	C 4.7UF 25V
C16002	F1L2J562A022	C 5600PF, 630V
C16011	F2A2E191A264	E 190UF, 250V
C16012	F2A2E191A264	E 190UF, 250V
C16013	F2A2E191A264	E 190UF, 250V
C16018	F0C2E115A280	C 1.1 UF 250 V
C16024	F1L2J332A022	C 3300PF, 630V
C16042	ECJ1VB1H392K	C 3900UF, 50V
C16044	F1E2J821A002	C 820PF, 630V
C16052	ECJ1VB1H392K	C 3900UF, 50V
C16061	F1E2J821A002	C 820PF, 630V
C16073	F1E2J221A002	C 220PF, 630V
C16074	F1E2J221A002	C 220PF, 630V
C16101	F1L2J222A022	C 2200pF, 630V
C16104	F1H1E470A130	C 47PF, 25V
C16105	F1H1E470A130	C 47PF, 25V
C16131	F1K1E475A134	C 4.7UF 25V
C16132	F1H1C105A145	C 1 UF 16 V
C16133	F2A1E1010130	E 100UF, 25V
C16135	F1K1E105A029	C 1UF, 25V
C16153	F1K1E475A134	C 4.7UF 25V
C16154	F1K1E475A134	C 4.7UF 25V
C16191	F1K1E475A134	C 4.7UF 25V
C16192	F1H1C105A145	C 1 UF 16 V

Ref. No.	Part No.	Part Name & Description
C16193	F2A1E4700094	E 47UF, 25V
C16195	F1K1E105A029	C 1UF, 25V
C16201	F0C2E405A279	C 4.0 UF 250 V
C16202	F0C2E405A279	C 4.0 UF 250 V
C16242	F1H1C105A145	C 1 UF 16 V
C16243	ECJ1VB1H103K	C 0.01UF, 50V
C16244	F1J1A106A087	C 10UF, 10V
C16271	F2A1E151B705	E 150UF, 25V
C16280	F1K1E105A029	C 1UF, 25V
C16286	F1H1H104A970	C 0.1UF, , 50V
C16287	F1H1H104A970	C 0.1UF, , 50V
C16315	ECJ1VB1A105K	C 1UF, 10V
C16316	ECJ1XB1C104K	C 0.1UF, Z, 16V
C16317	ECJ1VB1A105K	C 1UF, 10V
C16318	F1J1H104A717	C 0.1UF, 50V
C16319	F1J1H104A717	C 0.1UF, 50V
C16328	F2A2T131A021	E 130UF, 220V
C16330	F0C2E115A280	C 1.1 UF 250 V
C16361	F1L2J1020001	C 1000PF, 630V
C16362	F1L2J562A022	C 5600PF, 630V
C16401	F1L2J562A022	C 5600PF, 630V
C16411	F2A2E191A264	E 190UF, 250V
C16412	F2A2E191A264	E 190UF, 250V
C16413	F2A2E191A264	E 190UF, 250V
C16415	F0C2E115A280	C 1.1 UF 250 V
C16421	F1L2J562A022	C 5600PF, 630V
C16441	ECJ1VB1H392K	C 3900UF, 50V
C16451	ECJ1VB1H392K	C 3900UF, 50V
C16460	F1E2J222A002	C 2200pF, 630V
C16472	ECJ1VB1A105K	C 1UF, 10V
C16490	F1H1C105A145	C 1 UF 16 V
C16502	F1K1E475A134	C 4.7UF 25V
C16503	F2A1E151B705	E 150UF, 25V
C16505	F1K1E105A029	C 1UF, 25V
C16506	F1H1C105A145	C 1 UF 16 V
C16507	F0C2E115A280	C 1.1 UF 250 V
C16531	F1K1E475A134	C 4.7UF 25V
C16534	F1H1C105A145	C 1 UF 16 V
C16551	F1K1E475A134	C 4.7UF 25V
C16561	F1J1A106A087	C 10UF, 10V
C16562	F1H1C105A145	C 1 UF 16 V
C16564	F1H1C105A145	C 1 UF 16 V
C16565	ECJ1VB1H103K	C 0.01UF, 50V
C16566	ECJ1VB1H103K	C 0.01UF, 50V
C16567	F1H1C105A145	C 1 UF 16 V
C16584	ECJ1VB1H392K	C 3900UF, 50V
C16593	ECJ1XC1H102J	C 1000PF, J, 50V
C16602	F1H1H2200008	C 22PF, 50V
C16603	F1K2J102A014	C 1000PF, 630V
C16604	F1K2J102A014	C 1000PF, 630V
C16631	F0C2E405A279	C 4.0 UF 250 V
C16632	F0C2E405A279	C 4.0 UF 250 V
C16641	F1K2J222A014	C 2200pF ,630V
C16645	F1K2J102A014	C 1000PF, 630V
C16646	F1K2J102A014	C 1000PF, 630V

Ref. No.	Part No.	Part Name & Description
C16661	F1K2J102A038	C 1000PF, 630V
C16662	F1K2J102A038	C 1000PF, 630V
C16664	ECJ1XC1H820J	C 82PF, J, 50V
C16665	ECJ1XC1H820J	C 82PF, J, 50V
C16666	ECJ1XC1H820J	C 82PF, J, 50V
C16668	F1H1H821A831	C 820 PF, 50V
C16685	F1H1H104A970	C 0.1UF, , 50V
C16692	F1H1H104A970	C 0.1UF, , 50V
C16723	F1K1E105A029	C 1UF, 25V
C16724	F1K1E475A134	C 4.7UF 25V
C16753	F1K1E475A134	C 4.7UF 25V
C16770	F1H1C105A145	C 1 UF 16 V
C16791	F2A1E151B705	E 150UF, 25V
C16793	F2A1E151B705	E 150UF, 25V
C16794	F1J1A106A087	C 10UF, 10V
C16795	F2A1E151B705	E 150UF, 25V
C16796	F1K1E475A134	C 4.7UF 25V
C16797	F1H1H104A970	C 0.1UF, , 50V
C16813	F2A2T131A021	E 130UF, 220V
C16833	F1K2J222A014	C 2200pF ,630V
C16834	F1K2J222A014	C 2200pF ,630V
C16842	F2A2C131A210	E 130UF, 160V
C16843	ECJ1VB1A105K	C 1UF, 10V
C16844	F1J1H104A717	C 0.1UF, 50V
C16854	F1J1H104A717	C 0.1UF, 50V
C16856	ECJ1VB1A105K	C 1UF, 10V
C16858	ECJ1XB1C104K	C 0.1UF, Z, 16V
C16859	F1J1H104A717	C 0.1UF, 50V
C16860	ECJ1VB1A105K	C 1UF, 10V
C16861	ECJ1XB1C104K	C 0.1UF, Z, 16V
C16862	ECJ1VB1A105K	C 1UF, 10V
C16863	F1J1H104A717	C 0.1UF, 50V
C16865	F1H1C105A145	C 1 UF 16 V
C16891	F1K1E105A029	C 1UF, 25V
C16902	F1E2J332A002	C 3300PF, 630V
C16907	F1E2J221A002	C 220PF, 630V
C16908	F1E2J221A002	C 220PF, 630V
C16910	F1E2J821A002	C 820PF, 630V
C16912	F1E2J821A002	C 820PF, 630V
C16914	F1L2J332A022	C 3300PF, 630V
C17101	ECJ1VB1A105K	C 1UF, 10V
C17102	ECJ1VB1A105K	C 1UF, 10V
C17103	ECJ1VB1A105K	C 1UF, 10V
C17108	F1K2A224A033	C 0.22UF, 100V
C17109	F1K2A224A033	C 0.22UF, 100V
C17111	F1K2A224A033	C 0.22UF, 100V
C17131	ECJ1VB1A105K	C 1UF, 10V
C17132	ECJ1VB1A105K	C 1UF, 10V
C17134	F1K2A224A033	C 0.22UF, 100V
C17136	F1K2A224A033	C 0.22UF, 100V
C17137	ECJ1VB1A105K	C 1UF, 10V
C17138	ECJ1VB1A105K	C 1UF, 10V
C17139	F1K2A224A033	C 0.22UF, 100V
C17142	F1K2A224A033	C 0.22UF, 100V
C17143	ECJ1XB1C104K	C 0.1UF, Z, 16V

Ref. No.	Part No.	Part Name & Description
C17150	ECJ1XC1H102J	C 1000PF, J, 50V
C17151	ECJ1XC1H102J	C 1000PF, J, 50V
C17152	ECJ1XC1H102J	C 1000PF, J, 50V
C17153	ECJ1XC1H102J	C 1000PF, J, 50V
C17154	ECJ1XC1H102J	C 1000PF, J, 50V
C17155	ECJ1XC1H102J	C 1000PF, J, 50V
C17156	ECJ1XC1H102J	C 1000PF, J, 50V
C17157	ECJ1XC1H102J	C 1000PF, J, 50V
C17201	ECJ1VB1A105K	C 1UF, 10V
C17203	F1K2A224A033	C 0.22UF, 100V
C17204	ECJ1VB1A105K	C 1UF, 10V
C17205	F1K2A224A033	C 0.22UF, 100V
C17207	ECJ1VB1A105K	C 1UF, 10V
C17208	ECJ1VB1A105K	C 1UF, 10V
C17209	ECJ1VB1A105K	C 1UF, 10V
C17210	ECJ1VB1A105K	C 1UF, 10V
C17211	ECJ1VB1A105K	C 1UF, 10V
C17212	ECJ1VB1A105K	C 1UF, 10V
C17213	ECJ1XB1C104K	C 0.1UF, Z, 16V
C17226	F1K2A224A033	C 0.22UF, 100V
C17229	F1K2A224A033	C 0.22UF, 100V
C17230	F1K2A224A033	C 0.22UF, 100V
C17233	F1K2A224A033	C 0.22UF, 100V
C17235	F1K2A224A033	C 0.22UF, 100V
C17236	F1K2A224A033	C 0.22UF, 100V
C17239	ECJ1XC1H102J	C 1000PF, J, 50V
C17240	ECJ1XC1H102J	C 1000PF, J, 50V
C17241	ECJ1XC1H102J	C 1000PF, J, 50V
C17242	ECJ1XC1H102J	C 1000PF, J, 50V
C17243	ECJ1XC1H102J	C 1000PF, J, 50V
C17244	ECJ1XC1H102J	C 1000PF, J, 50V
C17245	ECJ1XC1H102J	C 1000PF, J, 50V
C17246	ECJ1XC1H102J	C 1000PF, J, 50V
CB1	K1MY55B00002	55P CONNECTOR
CB2	K1MY55B00002	55P CONNECTOR
CB3	K1MY55B00002	55P CONNECTOR
CB4	K1MY55B00002	55P CONNECTOR
CB5	K1MY55B00002	55P CONNECTOR
CB6	K1MY55B00002	55P CONNECTOR
CB7	K1MY55B00002	55P CONNECTOR
CB8	K1MY55B00002	55P CONNECTOR
CB9	K1MY55B00002	55P CONNECTOR
CB10	K1MY55B00002	55P CONNECTOR
CB11	K1MY55B00002	55P CONNECTOR
CB12	K1MY55B00002	55P CONNECTOR
CB13	K1MY55B00002	55P CONNECTOR
CB14	K1MY55B00002	55P CONNECTOR
CB15	K1MY55B00002	55P CONNECTOR
D100	⚠ B0FBCR000025	DIODE
D102	⚠ ERZVGED621	VARISTOR
D103	⚠ ERZVGAD621	VARISTOR
D104	B0AACK000004	DIODE
D105	B0HAPR000013	DIODE

Ref. No.	Part No.	Part Name & Description
D106	B0HAPR000013	DIODE
D107	B0ECKM000053	DIODE
D108	B0ECKM000053	DIODE
D109	B0JCGD000002	DIODE
D110	B0JCGD000002	DIODE
D111	B0BA6R600008	DIODE
D112	B0ACCJ000048	DIODE
D114	B0ACCJ000048	DIODE
D115	⚠ ERZVGED621	VARISTOR
D201	⚠ B0AAMT000014	DIODE
D202	B0AAMT000014	DIODE
D203	DB2J41100L	DIODE
D204	B0BB170A0011	DIODE
D205	B0ECKM000053	DIODE
D206	B0ECKM000053	DIODE
D209	B0BA01500003	ZENER
D210	B0AACK000004	DIODE
D211	B0BA01400009	ZENER
D212	B0AACK000004	DIODE
D213	B0BA01400009	ZENER
D214	B0AAMT000014	DIODE
D215	B0AAMT000014	DIODE
D216	B0BB170A0011	DIODE
D217	B0BA01300011	ZENER
D218	B0BA02900017	DIODE
D219	B0BA02900017	DIODE
D220	B0AACK000004	DIODE
D221	B0BA01500003	ZENER
D222	B0BA01500003	ZENER
D224	B0BA01500003	ZENER
D225	B0BA01500003	ZENER
D226	⚠ ERZVGAD621	VARISTOR
D300	B0AACK000004	DIODE
D301	B0AACK000004	DIODE
D302	B0ACCJ000048	DIODE
D303	B0JCGD000002	DIODE
D304	B0ACCJ000048	DIODE
D305	B0JCGD000002	DIODE
D306	B0AACK000004	DIODE
D309	B0JCGD000002	DIODE
D310	B0JCGD000002	DIODE
D400	B0ACCJ000048	DIODE
D401	B0ACCJ000048	DIODE
D406	B0AACK000004	DIODE
D407	B0AACK000004	DIODE
D408	B0AACK000004	DIODE
D409	B0AACK000004	DIODE
D410	B0AACK000004	DIODE
D411	B0AACK000004	DIODE
D412	B0AACK000004	DIODE
D414	B0AACK000004	DIODE
D415	B0JCGD000002	DIODE
D417	B0BA6R600008	DIODE
D418	DB2X41500L	DIODE
D419	B0ACCJ000048	DIODE

Ref. No.	Part No.	Part Name & Description
D501	B0FBCN000011	DIODE
D502	B0AACK000004	DIODE
D504	B0AACK000004	DIODE
D505	B0FBCN000011	DIODE
D506	DB2X41500L	DIODE
D600	B0HCPM000009	DIODE
D601	B0HCPM000009	DIODE
D602	B0BA01500003	ZENER
D603	B0BA02400030	DIODE
D604	B0BA01500003	ZENER
D605	B0BA01000070	ZENER
D606	B0BA01000070	ZENER
D700	B0AAQP000002	DIODE
D702	DB2X41500L	DIODE
D703	B0ACCJ000048	DIODE
D2820	B3AGB0000065	LED 20mA LTST-C195KGJRKT-P
D2850	B3EB00000056	DIODE LED SMD
D2851	B3EB00000056	DIODE LED SMD
D2852	B3EB00000056	DIODE LED SMD
D2853	B3EB00000056	DIODE LED SMD
D4500	B0JCCD000020	RECTIFIER DIODE SMD 30V 0,1 A
D4510	DZ2J056M0L	ZENER SMD 5,6 V 0,2 W 5 mA
D4671	DZ2J056M0L	ZENER SMD 5,6 V 0,2 W 5 mA
D4672	DZ2J056M0L	ZENER SMD 5,6 V 0,2 W 5 mA
D4673	DZ2J056M0L	ZENER SMD 5,6 V 0,2 W 5 mA
D5350	B0JCPE000038	RECTIFIER DIODE SMD 40V 3,0 A
D5621	B0ACCJ000048	SWITCHING DIODE SMD 80V 0,1 A
D5622	B0ACCJ000048	SWITCHING DIODE SMD 80V 0,1 A
D5624	B0BC010A0007	ZENER SMD 10V 1/10 W 5 mA
D5625	B0ACCJ000048	SWITCHING DIODE SMD 80V 0,1 A
D5626	DZ2J033M0L	ZENER SMD 3,3 V 0,2 W 5 mA
D5627	B0JCMD000066	RECTIFIER DIODE SMD 30V 1,0 A
D5703	B0ACCJ000048	SWITCHING DIODE SMD 80V 0,1 A
D5704	B0ACCJ000048	SWITCHING DIODE SMD 80V 0,1 A
D5900	B0JCMD000066	RECTIFIER DIODE SMD 30V 1,0 A
D8711	B0ADCJ000100	SWITCHING DIODE SMD 80V 0,1 A
D8712	DZ2J068M0L	ZENER SMD 6,8 V 0,2W 5 mA
D8713	DZ2J068M0L	ZENER SMD 6,8 V 0,2W 5 mA
D8716	B0ECKM000048	RECTIFIER DIODE SMD 200V 1,0 A
D8719	DZ2J068M0L	ZENER SMD 6,8 V 0,2W 5 mA
D8720	B0JCMD000066	RECTIFIER DIODE SMD 30V 1,0 A
D8725	B0ADCJ000100	SWITCHING DIODE SMD 80V 0,1 A
D8726	DZ2J068M0L	ZENER SMD 6,8 V 0,2W 5 mA
D9806	B0ADCK000001	SWITCH DIODE 90V 0,25W 100mA
D14652	B0ECKM000046	DIODE
D14654	B0ECKM000046	DIODE
D14703	B0ADCJ000100	DIODE
D14852	B0ECKM000046	DIODE
D14853	B0ECKM000046	DIODE
D14902	B0ACCJ000048	DIODE
D14903	B0ACCJ000048	DIODE
D14904	B0ADCJ000100	DIODE
D16001	DA3CF30ACL	ZENER
D16021	DA3CF30ACL	ZENER
D16042	B0FCCN000003	DIODE

Ref. No.	Part No.	Part Name & Description
D16052	B0FCCN000003	DIODE
D16071	B0ECLP000010	DIODE
D16072	B0FCBN000001	DIODE
D16131	B0ECKP000055	DIODE
D16133	B0ACCJ000048	DIODE
D16134	DZ2J051M0L	ZENER
D16191	B0ECKP000055	DIODE
D16192	B0ACCJ000048	DIODE
D16193	DZ2J051M0L	ZENER
D16243	B0ADCJ000100	DIODE
D16251	DZ2J330M0L	ZENER
D16252	DZ2J330M0L	ZENER
D16253	DZ2J051M0L	ZENER
D16254	B3ABB0000210	LED
D16255	B0ADCJ000100	DIODE
D16282	DZ2J068M0L	ZENER
D16285	B0ADEJ000035	ZENER
D16315	DZ2J150M0L	ZENER
D16316	B0ECKP000055	DIODE
D16317	B0ECKP000055	DIODE
D16362	DA3CF30ACL	ZENER
D16401	B0FCCN000003	DIODE
D16407	B0JCME000093	DIODE
D16411	B0ADCJ000100	DIODE
D16413	B0ACCJ000048	DIODE
D16421	DA3CF30ACL	ZENER
D16430	B0ECKP000055	DIODE
D16432	B0ECKP000055	DIODE
D16433	B0ECKP000055	DIODE
D16461	B0FCCN000003	DIODE
D16473	B0ACCJ000048	DIODE
D16474	B0ACCJ000048	DIODE
D16481	B0FCCN000001	DIODE
D16482	B0FCCN000001	DIODE
D16491	B0ACCJ000048	DIODE
D16492	DZ2J047M0L	ZENER
D16493	B0ADCJ000100	DIODE
D16506	DZ2J051M0L	ZENER
D16534	DZ2J051M0L	ZENER
D16536	B0ECKP000055	DIODE
D16537	B0ADCJ000100	DIODE
D16538	B0ADCJ000100	DIODE
D16581	DZ2J330M0L	ZENER
D16582	DZ2J330M0L	ZENER
D16583	B3ABB0000210	LED
D16602	DZ2J043M0L	ZENER
D16603	B0ACCJ000048	DIODE
D16604	B0ADCJ000100	DIODE
D16605	B0ACCJ000048	DIODE
D16607	B0ACCJ000048	DIODE
D16608	B0ECKP000055	DIODE
D16609	B0ECKP000055	DIODE
D16618	B0ECKP000055	DIODE
D16641	B0FCCN000004	DIODE
D16642	B0FCCN000004	DIODE

Ref. No.	Part No.	Part Name & Description
D16643	B0FCCN000004	DIODE
D16645	DZ2J150M0L	ZENER
D16646	DZ2J150M0L	ZENER
D16647	DZ2J150M0L	ZENER
D16648	DZ2J043M0L	ZENER
D16651	DZ2J051M0L	ZENER
D16652	B0ECKP000055	DIODE
D16662	DZ2J150M0L	ZENER
D16663	DZ2J150M0L	ZENER
D16664	DZ2J150M0L	ZENER
D16669	B0ACCJ000048	DIODE
D16673	B0ECHR000004	DIODE
D16674	B0ECHR000004	DIODE
D16685	B0ACCJ000048	DIODE
D16710	DZ2J15000L	ZENER
D16711	B0ECHR000004	DIODE
D16712	B0ECHR000004	DIODE
D16713	B0ECHS000002	DIODE
D16714	B0ECHS000002	DIODE
D16720	B0ECHR000004	DIODE
D16728	B0ECKP000055	DIODE
D16791	DZ2J240M0L	ZENER
D16792	B0ACCJ000048	DIODE
D16795	B0ACCJ000048	DIODE
D16822	B0ACCJ000048	DIODE
D16823	B0ADCJ000100	DIODE
D16824	B0ACCJ000048	DIODE
D16825	DZ2J330M0L	ZENER
D16833	B0ECHR000004	DIODE
D17101	B0ACCJ000048	DIODE
D17102	B0ACCJ000048	DIODE
D17103	B0JCCD000020	DIODE
D17201	B0ACCJ000048	DIODE
D17202	B0ACCJ000048	DIODE
D17203	B0JCCD000020	DIODE
F100	 K5E802YY0002	FUSE
F101	 K5E802YY0002	FUSE
F102	 K5E402YY0004	FUSE
F501	 K5H1022A0031	FUSE
FL8531	J0ZZB0000142	FILTER
FL8532	J0ZZB0000142	FILTER
FL8603	J0ZZB0000142	FILTER
IC100	C0DBBYY00025	INTEGRATED CIRCUIT
IC200	C0DABYY00032	INTEGRATED CIRCUIT
IC300	C0DBBYY00034	INTEGRATED CIRCUIT
IC400	C0DBZMC00006	INTEGRATED CIRCUIT
IC500	C0DBAYY00922	INTEGRATED CIRCUIT
IC600	C0DBZMC00006	INTEGRATED CIRCUIT
IC700	C0DBZMC00006	INTEGRATED CIRCUIT
IC3001	C1AB00003385	INTEGRATED CIRCUIT
IC3753	C1ZBZ0004368	INTEGRATED CIRCUIT
IC4700	C1AB00003469	INTEGRATED CIRCUIT

Ref. No.	Part No.	Part Name & Description
IC4900	C1AB00003457	INTEGRATED CIRCUIT
IC5000	AN34044A-VF	INTEGRATED CIRCUIT
IC5251	C0CBCBC00227	INTEGRATED CIRCUIT
IC5350	C0DBAYY01058	INTEGRATED CIRCUIT
IC5607	C0DBAYY00931	INTEGRATED CIRCUIT
IC5900	C0DBAYY00931	INTEGRATED CIRCUIT
IC5901	C1ZBZ0004339	INTEGRATED CIRCUIT
IC8000	MN2WS0200LF	INTEGRATED CIRCUIT
IC8100	C0DBAYY00715	INTEGRATED CIRCUIT
IC8200	C3ABUY000009	INTEGRATED CIRCUIT
IC8201	C3ABUY000006	INTEGRATED CIRCUIT
IC8531	C0DBZYY00368	INTEGRATED CIRCUIT
IC8532	C0DBZYY00450	INTEGRATED CIRCUIT
IC8601	C1CB00003491	INTEGRATED CIRCUIT
IC8607	C0DBZYY00368	INTEGRATED CIRCUIT
IC8701	C0DBAYY00931	INTEGRATED CIRCUIT
IC8702	C0DBAFG00029	INTEGRATED CIRCUIT
IC8706	C0DBAGF00030	INTEGRATED CIRCUIT
IC8707	C0DBAYY00915	INTEGRATED CIRCUIT
IC8900	C3FBUY000008	INTEGRATED CIRCUIT
IC8901	C3EBGC000056	INTEGRATED CIRCUIT
IC8902	C3EBHC000035	INTEGRATED CIRCUIT
IC9300	C1AB00003461	INTEGRATED CIRCUIT
IC9304	C3FBNY000274	INTEGRATED CIRCUIT
IC9400	C0JBAU000089	INTEGRATED CIRCUIT
IC9401	C0JBAU000089	INTEGRATED CIRCUIT
IC9402	C0JBAU000089	INTEGRATED CIRCUIT
IC9501	C0JBAU000089	INTEGRATED CIRCUIT
IC9820	C0CBCAG00046	INTEGRATED CIRCUIT
IC9860	C0DBAYY00715	INTEGRATED CIRCUIT
IC14601	AN16520A-VT	INTEGRATED CIRCUIT
IC14602	AN16520A-VT	INTEGRATED CIRCUIT
IC14603	AN16520A-VT	INTEGRATED CIRCUIT
IC14604	AN16520A-VT	INTEGRATED CIRCUIT
IC14605	AN16520A-VT	INTEGRATED CIRCUIT
IC14606	AN16520A-VT	INTEGRATED CIRCUIT
IC14801	AN16520A-VT	INTEGRATED CIRCUIT
IC14802	AN16520A-VT	INTEGRATED CIRCUIT
IC14803	AN16520A-VT	INTEGRATED CIRCUIT
IC14804	AN16520A-VT	INTEGRATED CIRCUIT
IC14805	AN16520A-VT	INTEGRATED CIRCUIT
IC14806	AN16520A-VT	INTEGRATED CIRCUIT
IC14901	C0JBAB000096	INTEGRATED CIRCUIT
IC14902	C0JBAB000096	INTEGRATED CIRCUIT
IC14904	C0JBAA0000557	INTEGRATED CIRCUIT
IC16131	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16132	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16151	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16152	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16191	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16241	C0JBAU000088	INTEGRATED CIRCUIT
IC16243	C0JBAB000715	INTEGRATED CIRCUIT
IC16244	C0JBAA0000558	INTEGRATED CIRCUIT
IC16304	MIP3910MSSCF	INTEGRATED CIRCUIT
IC16312	C0DBZMC00006	INTEGRATED CIRCUIT

Ref. No.	Part No.	Part Name & Description
IC16471	C0DBEYY00114	INTEGRATED CIRCUIT
IC16490	C0DBZMC00006	INTEGRATED CIRCUIT
IC16491	C0BBAA000008	INTEGRATED CIRCUIT
IC16501	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16502	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16521	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16522	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16561	C0JBAU000088	INTEGRATED CIRCUIT
IC16562	C0JBAU000088	INTEGRATED CIRCUIT
IC16563	C0JBAB000996	INTEGRATED CIRCUIT
IC16564	C0JBAE000321	INTEGRATED CIRCUIT
IC16565	C0JBAE000321	INTEGRATED CIRCUIT
IC16684	C0ZBZ0001822	INTEGRATED CIRCUIT
IC16691	C0JBAC000509	INTEGRATED CIRCUIT
IC16724	C0CBADE00049	INTEGRATED CIRCUIT
IC16784	MIP3910MSSCF	INTEGRATED CIRCUIT
IC16785	C0DBZYY00352	INTEGRATED CIRCUIT
IC16786	MIP3910MSSCF	INTEGRATED CIRCUIT
IC16787	C0DBZYY00352	INTEGRATED CIRCUIT
IC16792	C0BBAA000008	INTEGRATED CIRCUIT
IC16793	C0DBZMC00006	INTEGRATED CIRCUIT
IC16795	C0CBALC00012	INTEGRATED CIRCUIT
IC16921	C1ZBZ0004292	INTEGRATED CIRCUIT
IC17102	C0JBAU000088	INTEGRATED CIRCUIT
IC17201	C0JBAU000088	INTEGRATED CIRCUIT
JA1	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA2	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA3	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA4	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA5	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA6	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA7	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA8	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA9	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA10	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA11	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA12	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA13	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA14	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA15	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA16	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA17	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA18	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA19	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA20	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JA21	D0GDR00J0004	JUMPER 0 Ω , 1/8W
JK3000	K2HC104E0020	JACK - HEAD PHONE & AV
JK3001	K2HC104E0021	JACK - HEAD PHONE
JK3002	K2HC104E0020	JACK - HEAD PHONE & AV
JK3003	K2HC104E0020	JACK - HEAD PHONE & AV
JK3004	K1FY120E0001	20P CONNECTOR
JK3005	K2HC104E0020	JACK - HEAD PHONE & AV
JK3006	K2HC104E0020	JACK - HEAD PHONE & AV

Ref. No.	Part No.	Part Name & Description
JK3007	B3MBZ0000012	CONNECTOR OPTIC PTH
JK4600	K1FY119E0030	19P CONNECTOR 19 VIAS SMD
JK4601	K1FY119E0030	19P CONNECTOR
JK4602	K1FY119E0030	19P CONNECTOR
JK4603	K1FY119E0030	19P CONNECTOR
JK8301	K2LC108E0014	8P CONNECTOR
JK8531	K1FY104B0065	CONNECTOR USB PTH
JK8532	K1FY104B0065	CONNECTOR USB PTH
JK8533	K1FY104B0065	CONNECTOR USB PTH
JK8650	K1NA09E00121	9P CONNECTOR
JS1050	D0GAR00J0005	M 0,00 Ω 1/16 W
JS1051	D0GAR00J0005	M 0,00 Ω 1/16 W
JS1052	D0GAR00J0005	M 0,00 Ω 1/16 W
JS1053	D0GDR00J0004	M 0,00 Ω 1/8 W
JS1054	D0GAR00J0005	M 0,00 Ω 1/16 W
K1	K1KA08B00270	8P CONNECTOR
L100	 G0C181K00005	PEAKING COIL
L101	 G0C181K00005	PEAKING COIL
L200	EXCELDR25V	BEAD CHOKE
L300	 G4DYA0000273	TRANS
L500	EXCELDR25V	BEAD CHOKE
L501	G0C270MA0049	PEAKING COIL
L3007	J0JYC0000331	CHIP INDUCTOR
L3008	J0JYC0000331	CHIP INDUCTOR
L3009	J0ZZB0000150	FILTER
L3010	J0ZZB0000150	FILTER
L4500	J0JHC0000117	CHIP INDUCTOR
L4501	J0JYC0000068	CHIP INDUCTOR
L4502	J0JYC0000068	CHIP INDUCTOR
L4503	J0JYC0000068	CHIP INDUCTOR
L4504	J0JHC0000117	INDUTOR SMD
L4505	J0JYC0000068	CHIP INDUCTOR
L4506	J0JYC0000068	CHIP INDUCTOR
L4507	J0JYC0000068	CHIP INDUCTOR
L4508	J0JHC0000117	CHIP INDUCTOR
L4509	J0JYC0000068	CHIP INDUCTOR
L4510	J0JYC0000068	CHIP INDUCTOR
L4511	J0JYC0000068	CHIP INDUCTOR
L4512	J0JYC0000068	CHIP INDUCTOR
L4513	J0JYC0000068	CHIP INDUCTOR
L4514	J0JHC0000117	CHIP INDUCTOR
L4515	J0JYC0000068	CHIP INDUCTOR
L4801	J0JGC0000020	EMI / EMC FILTER
L4802	J0JGC0000020	EMI / EMC FILTER
L4803	G1CR39J00009	INDUCTION COIL 0,390 μ H
L4804	G1CR39J00009	INDUCTION COIL 0,390 μ H
L4805	J0JGC0000020	EMI / EMC FILTER
L4810	J0JCC0000278	CHIP INDUCTOR
L4900	G1C150MA0426	INDUCTION COIL 15,000 μ H
L4901	G1C150MA0426	INDUCTION COIL 15,000 μ H
L4902	G1C150MA0426	INDUCTION COIL 15,000 μ H
L4903	G1C150MA0426	INDUCTION COIL 15,000 μ H

Ref. No.	Part No.	Part Name & Description
L5350	G1C4R7MA0445	INDUCTION COIL 15,000 µH 4,700 µH
L5609	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L5900	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L8001	J0JCC0000287	EMI / EMC FILTER
L8002	J0JHC0000045	EMI / EMC FILTER
L8003	J0JHC0000045	EMI / EMC FILTER
L8004	J0JHC0000045	EMI / EMC FILTER
L8005	J0JKC0000021	EMI / EMC FILTER
L8006	J0JCC0000287	EMI / EMC FILTER
L8007	J0JCC0000287	EMI / EMC FILTER
L8100	G1C4R7MA0416	INDUCTION COIL 4,700 µH
L8102	G1C3R3MA0460	INDUCTION COIL 3,300 µH
L8531	J0JHC0000045	EMI / EMC FILTER
L8532	J0JHC0000045	EMI / EMC FILTER
L8533	J0JHC0000045	EMI / EMC FILTER
L8600	J0JHC0000045	EMI / EMC FILTER
L8609	J0JHC0000045	EMI / EMC FILTER
L8611	J0ZZB0000083	FILTER
L8612	J0ZZB0000083	FILTER
L8613	J0ZZB0000083	FILTER
L8701	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L8702	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L8751	J0JHC0000045	EMI / EMC FILTER
L8752	J0JHC0000045	EMI / EMC FILTER
L9303	J0JHC0000117	CHIP INDUCTOR
L9860	G1C2R2MA0449	INDUCTION COIL 2,200 µH
L9861	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L16001	G0CR21KA0214	PEAKING COIL
L16002	G0CR21KA0214	PEAKING COIL
L16303	G0C471MA0049	PEAKING COIL
L16411	G0CR21KA0214	PEAKING COIL
L16412	G0CR21KA0214	PEAKING COIL
LF100	G0B812JA0013	CHOKE COIL
LF101	G0B812JA0013	CHOKE COIL
P2	K1KY02B00012	2P CONNECTOR
P6	K1KA15BA0311	15P CONNECTOR
P9	K1KA02B00295	2P CONNECTOR
P11	K1KY03B00006	3P CONNECTOR
P25	K1KA10BA0237	10P CONNECTOR
P34	K1KA03BA0237	3P CONNECTOR
P35	K1KA04BA0237	4P CONNECTOR
PA5440	K5H5022A0031	FUSE SMD 32V 5,0 A
PA5601	K5H5022A0031	FUSE SMD 32V 5,0 A
PA5900	K5H1022A0031	FUSE SMD 32V 1,0 A
PC200	B3PAA0000363	PHOTO COUPLER
PC201	B3PAA0000363	PHOTO COUPLER
PC400	B3PAA0000363	PHOTO COUPLER
PC401	B3PAA0000363	PHOTO COUPLER
PC402	B3PAA0000363	PHOTO COUPLER
PC700	B3PAA0000363	PHOTO COUPLER
PC14901	B3PBE0000059	PHOTO COUPLER

Ref. No.	Part No.	Part Name & Description
PC14902	B3PBE0000059	PHOTO COUPLER
PC14903	B3PBE0000050	PHOTO COUPLER
PC16131	B3PBE0000058	PHOTO COUPLER
PC16191	B3PBE0000060	PHOTO COUPLER
PC16251	B3PBA0000498	PHOTO COUPLER
PC16301	B3PBA0000498	PHOTO COUPLER
PC16461	B3PBE0000058	PHOTO COUPLER
PC16462	B3PBE0000060	PHOTO COUPLER
PC16480	B3PBA0000498	PHOTO COUPLER
PC16581	B3PBA0000498	PHOTO COUPLER
PC16603	B3PBA0000498	PHOTO COUPLER
PC16685	B3PBA0000496	PHOTO COUPLER
PC16723	B3PBA0000498	PHOTO COUPLER
PC16896	B3PBA0000498	PHOTO COUPLER
PC16897	B3PBA0000498	PHOTO COUPLER
PMM1	TMM27463	CLAMPER
PMM2	TMM27463	CLAMPER
PMM3	TMM27463	CLAMPER
PMM4	TMM27463	CLAMPER
PMM5	TMM27463	CLAMPER
PMM6	TMM27463	CLAMPER
PMM7	TMM27463	CLAMPER
PMM8	TMM27463	CLAMPER
PMM9	TMM27463	CLAMPER
PMM10	TMM27463	CLAMPER
PMM16	TMM27463	CLAMPER
Q100	B1CERR0000056	FET
Q101	B1CERR0000056	FET
Q102	B1BCCF000022	TRANSISTOR
Q103	B1BCCF000022	TRANSISTOR
Q104	DSC5001R0L	TRANSISTOR
Q105	DSC5001R0L	TRANSISTOR
Q106	DSA5001R0L	TRANSISTOR
Q107	B1CHND000004	FET
Q108	DSA5001R0L	TRANSISTOR
Q200	B1CBGD000001	FET
Q202	B1ABMD000022	TRANSISTOR
Q203	DSC500100L	TRANSISTOR
Q204	DSA5001R0L	TRANSISTOR
Q300	B1CERR000055	FET
Q301	B1CERR000055	FET
Q302	B1CHND000004	FET
Q303	B1CHND000004	FET
Q307	B1CHND000004	FET
Q401	DSC5001R0L	TRANSISTOR
Q402	DSA5001R0L	TRANSISTOR
Q403	DSC5001R0L	TRANSISTOR
Q404	DSC5001R0L	TRANSISTOR
Q405	DSC5001R0L	TRANSISTOR
Q406	B1CBGD000001	FET
Q407	DSC5001R0L	TRANSISTOR
Q408	B1CBGD000001	FET
Q409	B1CHND000004	FET

Ref. No.	Part No.	Part Name & Description
Q411	DSC5001R0L	TRANSISTOR
Q412	DSC5001R0L	TRANSISTOR
Q413	B1CBGD000001	FET
Q414	B1CBGD000001	FET
Q415	DSC5001R0L	TRANSISTOR
Q416	DSC5001R0L	TRANSISTOR
Q417	B1CHND000004	FET
Q418	B1CBGD000001	FET
Q419	DSC5001R0L	TRANSISTOR
Q420	B1CHND000004	FET
Q421	DSC5001R0L	TRANSISTOR
Q422	DSC5001R0L	TRANSISTOR
Q424	B1CBGD000001	FET
Q425	B1CBGD000001	FET
Q426	B1CBGD000001	FET
Q500	B1CHRD000043	FET
Q501	B1CBGD000001	FET
Q502	B1CHRD000043	FET
Q503	DSA5001R0L	TRANSISTOR
Q504	DSC5001R0L	TRANSISTOR
Q600	 B1CERM000032	FET
Q700	DSA5001R0L	TRANSISTOR
Q701	DSC5001R0L	TRANSISTOR
Q702	DSC5001R0L	TRANSISTOR
Q703	DSA5001R0L	TRANSISTOR
Q2810	B1ABCE000015	TRANS. BIP. SMD NPN 0,2W 200 mA
Q2811	B1ABCE000015	TRANS. BIP. SMD NPN 0,2W 200 mA
Q2812	B1ABCE000015	TRANS. BIP. SMD NPN 0,2W 200 mA
Q3133	B1ABCE000015	TRANS. SMD NPN 0,2W 200 mA
Q3134	B1ABCE000015	TRANS. SMD NPN 0,2W 200 mA
Q3135	DSA200100L	TRANS. SMD PNP 1/5 W 50V 100 mA
Q4500	B1HFCFA00026	TRANS. BIP. SMD 50V 150 mA
Q4501	DSA200100L	TRANS. SMD PNP 1/5 W 50V 100 mA
Q4502	B1ABCF000231	TRANS. SMD NPN 50V 100 mA
Q4503	B1ABCF000231	TRANS. SMD NPN 50V 100 mA
Q4504	B1ABCF000231	TRANS. SMD NPN 50V 100 mA
Q4505	B1ABCF000231	TRANS. SMD NPN 50V 100 mA
Q4930	DSA200100L	TRANS. SMD PNP 1/5 W 50V 100 mA
Q4971	B1ABBE000003	TRANS. SMD NPN 1/4 W 50V 100 mA
Q4972	DSA200100L	TRANS. SMD PNP 1/5 W 50V 100 mA
Q4973	B1ABBE000003	TRANS. SMD NPN 1/4 W 50V 100 mA
Q4974	B1ABBE000003	TRANS. SMD NPN 1/4 W 50V 100 mA
Q8100	B1CFRD000077	TRANS. FET MOS CH N 1,5W 30V 7,5A
Q8101	B1CFRD000077	TRANS. FET MOS CH N 1,5W 30V 7,5A
Q8102	B1MBEDA00027	TRANS. FET MOS SMD 1,3W 30V 6A
Q8709	DSA200100L	TRANS. SMD PNP 1/5 W 50V 100 mA
Q8711	DSC2001S0L	TRANS. SMD NPN 50V 100 mA
Q8900	DSA200100L	TRANS. SMD PNP 1/5 W 50V 100 mA
Q9860	B1MBEDA00027	TRANS. FET MOS SMD 1,3W 30V 6A
Q9861	B1MBEDA00027	TRANS. FET MOS SMD 1,3W 30V 6A
Q16001	B1JBDN000004	TRANSISTOR
Q16002	B1JBDN000004	TRANSISTOR
Q16021	B1JBEN000004	TRANSISTOR
Q16022	B1JBEN000004	TRANSISTOR
Q16042	DG3C3020CL	TRANSISTOR

Ref. No.	Part No.	Part Name & Description
Q16052	DG3C3020CL	TRANSISTOR
Q16055	B1HFPFA000001	TRANSISTOR
Q16056	B1HFPFA000001	TRANSISTOR
Q16101	B1CFRM000015	FET
Q16102	B1CFRM000023	FET
Q16141	B1HFPFA000001	TRANSISTOR
Q16161	B1HFPFA000001	TRANSISTOR
Q16251	B1ABCF000231	TRANSISTOR
Q16280	B1ABCE000015	TRANSISTOR
Q16401	B1JBDN000004	TRANSISTOR
Q16402	B1JBDN000004	TRANSISTOR
Q16403	B1JBDN000004	TRANSISTOR
Q16421	B1JBEN000004	TRANSISTOR
Q16422	B1JBEN000004	TRANSISTOR
Q16423	B1JBEN000004	TRANSISTOR
Q16441	DG3C3020CL	TRANSISTOR
Q16451	DG3C3020CL	TRANSISTOR
Q16471	B1ABCE000015	TRANSISTOR
Q16501	B1HFPFA000001	TRANSISTOR
Q16521	B1HFPFA000001	TRANSISTOR
Q16531	B1HFPFA000001	TRANSISTOR
Q16538	B1CBGD000001	FET
Q16551	B1HFPFA000001	TRANSISTOR
Q16581	B1ABCF000231	TRANSISTOR
Q16600	B1CFRM000020	FET
Q16601	B1CFRQ000022	FET
Q16602	DSA2001S0L	TRANSISTOR
Q16606	DSC2001S0L	TRANSISTOR
Q16607	B1CBGD000001	FET
Q16621	B1JBDN000004	TRANSISTOR
Q16622	B1JBDN000004	TRANSISTOR
Q16623	B1JBDN000004	TRANSISTOR
Q16646	DSA2001S0L	TRANSISTOR
Q16647	B1CBGD000001	FET
Q16660	B1CFRQ000021	FET
Q16661	B1JBER000002	TRANSISTOR
Q16762	B1HFPFA000001	TRANSISTOR
Q16815	B1ABCN000007	TRANSISTOR
Q16817	DSC2001Q0L	TRANSISTOR
Q16818	B1CBGD000001	FET
Q16819	B1CBGD000001	FET
Q16820	B1CBGD000001	FET
Q16891	DSA2001S0L	TRANSISTOR
Q16892	DSC2001Q0L	TRANSISTOR
Q16921	B1CBGD000001	FET
Q16922	B1CBGD000001	FET
Q16931	B1ABCN000007	TRANSISTOR
Q17101	B1ABCN000007	TRANSISTOR
Q17201	B1ABCN000007	TRANSISTOR
R100	 D1F5150Y0001	RES. 150 Ω, 5W
R101	 D0XB825J0001	RES. 8.2MΩ, J, 1W
R102	D0GB752JA065	RES. 7.5KΩ J 1/10W
R103	D0GB752JA065	RES. 7.5KΩ J 1/10W
R104	D0GB752JA065	RES. 7.5KΩ J 1/10W

Ref. No.	Part No.	Part Name & Description
R105	D0GB752JA065	RES. 7.5KΩ J 1/10W
R106	D0MA30MJA022	RES. 30 MΩ,J, 2W
R107	D0MA30MJA022	RES. 30 MΩ,J, 2W
R110	D0GB103JA065	RES. 10 K Ω J 1/10W
R111	D0GB103JA065	RES. 10 K Ω J 1/10W
R112	D1BD2203A066	RES. 220KΩ,J.1/8W
R113	D1BD2203A066	RES. 220KΩ,J.1/8W
R114	D1BD2203A066	RES. 220KΩ,J.1/8W
R115	D1BD2403A066	RES. 240KΩ,J.1/8W
R116	D1BD2403A066	RES. 240KΩ,J.1/8W
R117	D1BD2403A066	RES. 240KΩ,J.1/8W
R120	D1BB2202A055	RES. 22KΩ,J.1/10W
R121	D1BB3902A055	RES. 39KΩ,J.1/10W
R122	D0GB824JA065	RES. 820KΩ J 1/10W
R123	D0GB102JA065	RES. 1KΩ,J,1/10W
R124	D0GD100JA052	RES. 10 Ω,J,1/4W
R125	D0GB102JA065	RES. 1KΩ,J,1/10W
R126	D0GB102JA065	RES. 1KΩ,J,1/10W
R127	D0GB103JA065	RES. 10 K Ω J 1/10W
R128	D0GB104JA065	RES. 10 0KΩ J 1/10W
R129	D1BB1542A055	RES. 15.4KΩ,J.1/10W
R130	D1BB5102A055	RES. 51KΩ,J.1/10W
R131	D0GB333JA065	RES. 33KΩ,J,1/10W
R132	D0GB103JA065	RES. 10 K Ω J 1/10W
R133	D0GB183JA065	RES. 18KΩ,J,1/10W
R134	D0GB102JA065	RES. 1KΩ,J,1/10W
R135	D0GB103JA065	RES. 10 K Ω J 1/10W
R136	D1BB1502A073	RES. 15KΩ, J.1/10W
R137	D1BD1203A066	RES. 120KΩ,J.1/8W
R138	D1BD1203A066	RES. 120KΩ,J.1/8W
R139	D1BD1203A066	RES. 120KΩ,J.1/8W
R140	D1BD1203A066	RES. 120KΩ,J.1/8W
R141	D1BD9102A066	RES. 91 KΩ,J.1/8 W
R142	D1BD9102A066	RES. 91 KΩ,J.1/8 W
R143	D1BD9102A066	RES. 91 KΩ,J.1/8 W
R144	D0GB104JA065	RES. 10 0KΩ J 1/10W
R145	D0GB103JA065	RES. 10 K Ω J 1/10W
R146	D0GB333JA065	RES. 33KΩ,J,1/10W
R147	D0GB104JA065	RES. 10 0KΩ J 1/10W
R151	D0GD473JA052	RES. 47KΩ,J,1/8W
R152	D0GD220JA052	RES. 22 Ω,J,1/4W
R153	D0GD220JA052	RES. 22 Ω,J,1/4W
R154	D0GF330JA048	RES. 33 Ω. 1/3W
R155	D0GF330JA048	RES. 33 Ω. 1/3W
R156	D0GF330JA048	RES. 33 Ω. 1/3W
R157	D0GF330JA048	RES. 33 Ω. 1/3W
R158	D0GF330JA048	RES. 33 Ω. 1/3W
R159	D0GF330JA048	RES. 33 Ω. 1/3W
R160	D0GF330JA048	RES. 33 Ω. 1/3W
R161	D0GF330JA048	RES. 33 Ω. 1/3W
R164	D1BD2403A066	RES. 240KΩ,J.1/8W
R165	D1BD2403A066	RES. 240KΩ,J.1/8W
R166	D1BD9102A066	RES. 91 KΩ,J.1/8 W
R167	D1BD9102A066	RES. 91 KΩ,J.1/8 W
R168	D0GB472JA065	RES. 4.7KΩ, J,1/10W

Ref. No.	Part No.	Part Name & Description
R169	⚠ D0BF125JA030	RES. 1.2MΩ,J,1/2W
R200	D1BB2203A055	RES. 220KΩ,J.1/10W
R201	D1BB2203A055	RES. 220KΩ,J.1/10W
R202	D1BB2203A055	RES. 220KΩ,J.1/10W
R203	D1BB2203A055	RES. 220KΩ,J.1/10W
R204	D1BB2203A055	RES. 220KΩ,J.1/10W
R205	D1BB2203A055	RES. 220KΩ,J.1/10W
R206	D1BB7502A055	RES. 75KΩ,J.1/10W
R207	D0GFR47JA020	RES. 0.47Ω,J,1/4W
R208	D0GFR47JA020	RES. 0.47Ω,J,1/4W
R209	D0GB100JA065	RES. 10 Ω J 1/10W
R214	D0GB102JA065	RES. 1KΩ,J,1/10W
R215	D1BB2201A055	RES. 2.2KΩ,J.1/10W
R216	D0GB102JA065	RES. 1KΩ,J,1/10W
R217	D0GB223JA065	RES. 22KΩ,J,1/10W
R218	D0GB102JA065	RES. 1KΩ,J,1/10W
R219	D0GB224JA065	RES. 220KΩ,J,1/10W
R220	D0GB102JA065	RES. 1KΩ,J,1/10W
R221	D1BB2202A055	RES. 22KΩ,J.1/10W
R222	D1BB2203A055	RES. 220KΩ,J.1/10W
R223	D1BB2202A055	RES. 22KΩ,J.1/10W
R224	D0C22R2JA077	RES. 2.2 Ω, J,1/2W
R225	D0GFR22JA020	RES. 0.22Ω, J,1/4W
R226	D0GFR22JA020	RES. 0.22Ω, J,1/4W
R227	⚠ D1F5150Y0001	RES. 150 Ω, 5W
R300	D0GZ181JA020	RES. 180 Ω,J,1/2W
R301	D0GB103JA065	RES. 10 K Ω J 1/10W
R302	D0GZ181JA020	RES. 180 Ω,J,1/2W
R303	D0GB103JA065	RES. 10 K Ω J 1/10W
R304	D0GD334JA052	RES. 330KΩ,J,1/4W
R305	D0GD304JA052	RES. 300KΩ,J,1/8W
R306	D0GB4R7JA065	RES. 4.7 Ω J 1/10W
R307	D0GB4R7JA065	RES. 4.7 Ω J 1/10W
R308	D0GB100JA065	RES. 10 Ω J 1/10W
R309	D1BB2401A055	RES. 2.40KΩ,J.1/10W
R310	D1BB1202A055	RES. 12KΩ,J.1/10W
R311	D1BB2001A055	RES. 2KΩ,J.1/10W
R312	D1BB5100A055	RES. 510 Ω,J,1/10W
R318	D0GB102JA065	RES. 1KΩ,J,1/10W
R319	D0GB103JA065	RES. 10 K Ω J 1/10W
R321	D0GD102JA052	RES. 1.0KΩ,J,1/8W
R322	D0GZ220JA020	RES. 22 Ω,J,1/2W
R323	D0GZ220JA020	RES. 22 Ω,J,1/2W
R326	D0GZ220JA020	RES. 22 Ω,J,1/2W
R327	D0GZ220JA020	RES. 22 Ω,J,1/2W
R402	D0GB103JA065	RES. 10 K Ω J 1/10W
R404	D0GB103JA065	RES. 10 K Ω J 1/10W
R405	D0GB333JA065	RES. 33KΩ,J,1/10W
R406	D0GB333JA065	RES. 33KΩ,J,1/10W
R408	D0GB103JA065	RES. 10 K Ω J 1/10W
R410	D0GB102JA065	RES. 1KΩ,J,1/10W
R412	D1BB1502A055	RES. 15KΩ, J.1/10W
R413	D1BB8201A055	RES. 8.2KΩ,J.1/10W
R414	D0GB224JA065	RES. 220KΩ,J,1/10W
R415	D1BB15030002	RES. 150KΩ,J,1/10W

Ref. No.	Part No.	Part Name & Description
R416	D1BB15030002	RES. 150KΩ,J.1/10W
R417	D1BB15030002	RES. 150KΩ,J.1/10W
R418	D1BB1603A055	RES. 160KΩ,J.1/10W
R419	D0GB103JA065	RES. 10 K Ω J 1/10W
R420	D0GD102JA052	RES. 1.0KΩ,J,1/8W
R421	D0GB102JA065	RES. 1KΩ,J,1/10W
R422	D0GD102JA052	RES. 1.0KΩ,J,1/8W
R423	D1BB9102A055	RES. 91KΩ,J.1/10W
R424	D1BB1002A055	RES. 10 KΩ,J.1/10W
R425	D1BB6202A055	RES. 62KΩ,J.1/10W
R426	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R428	D0GB104JA065	RES. 10 0KΩ J 1/10W
R429	D0GB104JA065	RES. 10 0KΩ J 1/10W
R430	D0GB102JA065	RES. 1KΩ,J,1/10W
R431	D0GB102JA065	RES. 1KΩ,J,1/10W
R432	D0GB684JA065	RES. 680KΩ J 1/10W
R433	D0GB223JA065	RES. 22KΩ,J,1/10W
R434	D0GB104JA065	RES. 10 0KΩ J 1/10W
R435	D0GB123JA065	RES. 12K Ω J 1/10W
R438	D0GB104JA065	RES. 10 0KΩ J 1/10W
R439	D0GB154JA065	RES. 150KΩ J 1/10W
R443	D1BB8201A055	RES. 8.2KΩ,J.1/10W
R444	D0GB222JA065	RES. 2.2KΩ,J,1/10W
R445	D0GB332JA065	RES. 3.3KΩ,J,1/10W
R446	D1BB4302A055	RES. 43KΩ,J.1/10W
R447	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R448	D0GB102JA065	RES. 1KΩ,J,1/10W
R449	D0GB473JA065	RES. 47KΩ J. 1/10W
R450	D0GB473JA065	RES. 47KΩ J. 1/10W
R451	D0GB473JA065	RES. 47KΩ J. 1/10W
R452	D0GB104JA065	RES. 10 0KΩ J 1/10W
R453	D0GB684JA065	RES. 680KΩ J 1/10W
R454	D0GB682JA065	RES. 6.8KΩ J 1/10W
R455	D0GB204JA065	RES. 200KΩ J 1/10W
R456	D0GB103JA065	RES. 10 K Ω J 1/10W
R457	D1BB2202A055	RES. 22KΩ,J.1/10W
R458	D1BB3302A055	RES. 33KΩ,J.1/10W
R460	D0GF391JA048	RES. 390 Ω. 1/3W
R461	D0GB224JA065	RES. 220KΩ,J,1/10W
R462	D0GB103JA065	RES. 10 K Ω J 1/10W
R463	D0GB473JA065	RES. 47KΩ J. 1/10W
R464	D0GB103JA065	RES. 10 K Ω J 1/10W
R465	D0GB103JA065	RES. 10 K Ω J 1/10W
R466	D0GB104JA065	RES. 10 0KΩ J 1/10W
R467	D0GB474JA065	RES. 470KΩ,J,1/10W
R468	D0GB104JA065	RES. 10 0KΩ J 1/10W
R469	D0GFR10JA020	RES. 1 Ω,J,1/3W
R470	D0GFR10JA020	RES. 1 Ω,J,1/3W
R471	D0GFR10JA020	RES. 1 Ω,J,1/3W
R472	D1BB4701A055	RES. 4.7KΩ,J.1/10W
R473	D1BB3011A055	RES. 3.01KΩ, 1/10W
R474	D0GB473JA065	RES. 47KΩ J. 1/10W
R476	D0GB102JA065	RES. 1KΩ,J,1/10W
R477	D0GB102JA065	RES. 1KΩ,J,1/10W
R478	D0GB154JA065	RES. 150KΩ J 1/10W

Ref. No.	Part No.	Part Name & Description
R479	D0GB683JA065	RES. 68KΩ J 1/10W
R480	D0GB104JA065	RES. 10 0KΩ J 1/10W
R481	D0GB473JA065	RES. 47KΩ J. 1/10W
R482	D0GB104JA065	RES. 10 0KΩ J 1/10W
R483	D0GB104JA065	RES. 10 0KΩ J 1/10W
R484	D0GB511JA065	RES. 510 Ω J 1/10W
R485	D0GB511JA065	RES. 510 Ω J 1/10W
R486	D0GB473JA065	RES. 47KΩ J. 1/10W
R487	D0GB473JA065	RES. 47KΩ J. 1/10W
R488	D0GB102JA065	RES. 1KΩ,J,1/10W
R500	D0GB512JA065	RES. 5.1KΩ J 1/10W
R501	D0GB684JA065	RES. 680KΩ J 1/10W
R502	D1BB7502A055	RES. 75KΩ,J.1/10W
R503	D0GB102JA065	RES. 1KΩ,J,1/10W
R504	D0GB223JA065	RES. 22KΩ,J,1/10W
R505	D1BB2203A055	RES. 220KΩ,J.1/10W
R506	D0GD100JA052	RES. 10 Ω,J,1/4W
R508	D0GD275JA052	RES. 2.7M Ω, J,1/8W
R509	D1BD3603A066	RES. 360KΩ,J.1/8W
R510	D1BD1203A066	RES. 120KΩ,J.1/8W
R512	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R513	D0GB103JA065	RES. 10 K Ω J 1/10W
R514	D0GB103JA065	RES. 10 K Ω J 1/10W
R515	D0GB103JA065	RES. 10 K Ω J 1/10W
R516	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R517	D0GD474JA052	RES. 470KΩ,J,1/4W
R518	D0GFR47JA020	RES. 0.47Ω,J,1/4W
R519	D0GFR47JA020	RES. 0.47Ω,J,1/4W
R520	D0GFR47JA020	RES. 0.47Ω,J,1/4W
R600	ERX2FZJR15H	RES. 0.15 Ω J 2W
R601	D0GF333JA048	RES. 33 KΩ. 1/3W
R602	D0GF333JA048	RES. 33 KΩ. 1/3W
R603	D0GF333JA048	RES. 33 KΩ. 1/3W
R604	D1BB3302A055	RES. 33KΩ,J.1/10W
R605	D1BB2702A055	RES. 27KΩ,J.1/10W
R606	D1BB2701A055	RES. 2.7KΩ,J.1/10W
R608	D0GB103JA065	RES. 10 K Ω J 1/10W
R609	ERX2FZJR15H	RES. 0.15 Ω J 2W
R610	D0GF333JA048	RES. 33 KΩ. 1/3W
R611	D0GF333JA048	RES. 33 KΩ. 1/3W
R701	D1BB4702A055	RES. 47KΩ,J.1/10W
R702	D1BB4702A055	RES. 47KΩ,J.1/10W
R703	D1BB4702A055	RES. 47KΩ,J.1/10W
R704	D1BB4702A055	RES. 47KΩ,J.1/10W
R705	D1BB2702A055	RES. 27KΩ,J.1/10W
R706	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R707	D1BB2701A055	RES. 2.7KΩ,J.1/10W
R710	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R711	D0GB472JA065	RES. 4.7KΩ, J,1/10W
R712	D0GB102JA065	RES. 1KΩ,J,1/10W
R713	D0GB102JA065	RES. 1KΩ,J,1/10W
R714	D0GB104JA065	RES. 10 0KΩ J 1/10W
R715	D0GD681JA052	RES. 680 Ω,J.1/4W
R716	D0GB102JA065	RES. 1KΩ,J,1/10W
R717	D0GD102JA052	RES. 1.0KΩ,J,1/8W

Ref. No.	Part No.	Part Name & Description
R718	D1BB2202A055	RES. 22KΩ,J.1/10W
R719	D1BB3302A055	RES. 33KΩ,J.1/10W
R720	D0GF391JA048	RES. 390 Ω, J.1/3W
R721	D0GFR22JA020	RES. 0.22Ω, J,1/4W
R722	D0GFR22JA020	RES. 0.22Ω, J,1/4W
R723	D0GFR10JA020	RES. 1 Ω,J,1/3W
R724	D0GB472JA065	RES. 4.7KΩ, J,1/10W
R725	D0GB102JA065	RES. 1KΩ,J,1/10W
R726	D0GD681JA052	RES. 680 Ω,J.1/4W
R727	D0GB473JA065	RES. 47KΩ J. 1/10W
R728	D0GB473JA065	RES. 47KΩ J. 1/10W
R729	D0GB473JA065	RES. 47KΩ J. 1/10W
R730	D0GB473JA065	RES. 47KΩ J. 1/10W
R731	D0GB473JA065	RES. 47KΩ J. 1/10W
R732	D0GB473JA065	RES. 47KΩ J. 1/10W
R733	D0GB473JA065	RES. 47KΩ J. 1/10W
R734	D0GB473JA065	RES. 47KΩ J. 1/10W
R735	D0GB473JA065	RES. 47KΩ J. 1/10W
R736	D0GB473JA065	RES. 47KΩ J. 1/10W
R737	D0GB473JA065	RES. 47KΩ J. 1/10W
R738	D0GB473JA065	RES. 47KΩ J. 1/10W
R739	D0GB473JA065	RES. 47KΩ J. 1/10W
R740	D0GB473JA065	RES. 47KΩ J. 1/10W
R741	D0GB473JA065	RES. 47KΩ J. 1/10W
R742	D0GB473JA065	RES. 47KΩ J. 1/10W
R743	D0GB473JA065	RES. 47KΩ J. 1/10W
R744	D0GB473JA065	RES. 47KΩ J. 1/10W
R745	D0GB473JA065	RES. 47KΩ J. 1/10W
R746	D0GB473JA065	RES. 47KΩ J. 1/10W
R747	D0GB473JA065	RES. 47KΩ J. 1/10W
R748	D0GB473JA065	RES. 47KΩ J. 1/10W
R749	D0GB473JA065	RES. 47KΩ J. 1/10W
R750	D0GB473JA065	RES. 47KΩ J. 1/10W
R751	D0GB511JA065	RES. 510 Ω J 1/10W
R1010	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R1011	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R1013	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R1014	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R1015	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R1050	D0GA154JA023	M 150,00 kΩ
R1056	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R1100	D0GA122JA023	M SMD 1,20 kΩ 1/16 W
R1101	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R1102	D0GA683JA023	M SMD 68,00 kΩ
R1115	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R1117	D1BA7151A014	M SMD 7,15 kΩ 1/16 W
R1118	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R2810	D0GB470JA065	M SMD 47,00 Ω 1/10 W
R2811	D0GB104JA065	M SMD 100,00 kΩ 1/10 W
R2812	D0GB224JA065	M SMD 220,00 kΩ 1/10 W
R2813	D0GB223JA065	M SMD 22,00 kΩ 1/10 W
R2814	D0GB103JA065	M SMD 10,00 kΩ 1/10 W
R2815	D0GB473JA065	M SMD 47,00 kΩ 1/10 W
R2816	D1BB1621A055	M SMD 1,62 kΩ 1/10 W
R2817	D0GB223JA065	M SMD 22,00 kΩ 1/10 W

Ref. No.	Part No.	Part Name & Description
R2818	D0GB473JA065	M SMD 47,00 kΩ 1/10 W
R2819	D1BB4301A055	M SMD 4,30 kΩ 1/10W
R3012	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3013	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R3014	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3015	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R3016	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3020	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3021	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3022	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3023	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3024	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3025	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3026	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3027	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3028	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3030	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3033	D0GA331JA023	M SMD 330,00 Ω 1/16 W
R3034	D0GA331JA023	M SMD 330,00 Ω 1/16 W
R3051	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3052	D0GA221JA023	M SMD 220,00 Ω 1/16 W
R3056	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3058	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R3067	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3070	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3071	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3072	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3073	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3074	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3075	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3082	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3083	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3084	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3085	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3086	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3087	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3094	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3095	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3096	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3097	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3146	D0GA184JA023	M SMD 180,00 kΩ
R3148	D0GA184JA023	M SMD 180,00 kΩ
R3149	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R3150	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R3151	D0GA105JA023	M SMD 1,00 MΩ 1/16 W
R3152	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R3153	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R3154	D0GA274JA023	M 270,00 kΩ
R3155	D0GD101JA052	M SMD 100,00 Ω 1/8 W
R3157	D0GD101JA052	M SMD 100,00 Ω 1/8 W
R3174	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R3192	D0GB393JA065	M SMD 39,00 kΩ 1/10W
R3193	D0GB393JA065	M SMD 39,00 kΩ 1/10W
R3202	D0GB393JA065	M SMD 39,00 kΩ 1/10W
R3204	D0GB393JA065	M SMD 39,00 kΩ 1/10W

Ref. No.	Part No.	Part Name & Description
R3208	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3215	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3216	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3217	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3223	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3224	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3225	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3226	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3227	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3228	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R3229	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3230	D0GB393JA065	M SMD 39,00 kΩ 1/10W
R3231	D0GB393JA065	M SMD 39,00 kΩ 1/10W
R3301	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3302	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3303	D1BB75R0A055	M SMD 75,00 Ω 1/10W
R3304	D0GDR00J0004	M SMD 0,00 Ω 1/8 W
R3305	D0GDR00J0004	M SMD 0,00 Ω 1/8 W
R3313	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R3314	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R3750	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4512	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R4513	D0GA151JA023	M SMD 150,00 Ω
R4514	D0GA151JA023	M SMD 150,00 Ω
R4515	D0GA151JA023	M SMD 150,00 Ω
R4517	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4526	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4534	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R4555	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4556	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4558	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4560	D0GA273JA023	M SMD 27,00 kΩ
R4590	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R4591	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R4602	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4608	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4609	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4611	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4612	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4615	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4621	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4622	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4624	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4625	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4631	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4635	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4637	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4638	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4639	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4646	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4647	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4648	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4649	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4650	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4651	D0GA680JA023	M SMD 68,00 Ω 1/16 W

Ref. No.	Part No.	Part Name & Description
R4691	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4692	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4693	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4700	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4701	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4702	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4704	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4705	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4706	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4707	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4708	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4767	D0GA392JA023	M SMD 3,90 kΩ 1/16 W
R4770	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4771	D0GA152JA023	M 1,50 kΩ 1/16 W
R4772	D0GA152JA023	M 1,50 kΩ 1/16 W
R4774	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4775	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4781	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4802	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4805	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R4806	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R4810	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R4824	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R4825	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R4901	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R4903	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4904	D0GDR00J0004	M SMD 0,00 Ω 1/8 W
R4906	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R4909	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4910	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R4916	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4917	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R4918	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R4919	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4930	D0GA392JA023	M SMD 3,90 kΩ 1/16 W
R4931	D0GB221JA065	M SMD 220,00 Ω 1/10 W
R4932	D0GA222JA023	M SMD 2,20 kΩ 1/16 W
R4933	D0GA222JA023	M SMD 2,20 kΩ 1/16 W
R4941	D1BB1403A055	M SMD 140,00 kΩ 1/10 W
R4942	D1BB1403A055	M SMD 140,00 kΩ 1/10 W
R4971	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4972	D0GA223JA023	M SMD 22,00 kΩ 1/16 W
R4973	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4975	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4978	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R4982	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R4983	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R4985	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4986	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4987	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R4988	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R4989	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R4990	D0GA105JA023	M SMD 1,00 MΩ 1/16 W
R5000	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R5009	D0GA103JA015	M SMD 10,00 kΩ 1/16 W

Ref. No.	Part No.	Part Name & Description
R5010	D0GA222JA023	M SMD 2,20 kΩ 1/16 W
R5011	D0GA104JA023	M SMD 100,00 kΩ 1/16 W
R5012	D0GA223JA023	M SMD 22,00 kΩ 1/16 W
R5013	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R5018	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R5019	D0GA223JA023	M SMD 22,00 kΩ 1/16 W
R5350	D1BB5101A055	M SMD 5,10 kΩ 1/10W
R5351	D1BB1001A055	M SMD 1,00 kΩ 1/10W
R5352	D0GD4R7JA059	M SMD 4,70 Ω 1/4 W
R5353	D0GB332JA065	M SMD 3,30 kΩ 1/10 W
R5358	D0GF151JA048	M SMD 150,00 Ω 1/10 W
R5648	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R5652	D1BB2101A087	M SMD 2,10 kΩ 1/10 W
R5653	D1BB2402A055	M SMD 24,00 kΩ 1/10W
R5655	D1BB1001A055	M SMD 1,00 kΩ 1/10W
R5660	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5661	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5663	D0GA183JA023	M SMD 18,00 kΩ
R5664	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5665	D0GA471JA023	M SMD 470,00 Ω 1/16 W
R5686	D0GA390JA023	M SMD 39,00 Ω 1/16 W
R5687	D1BB1002A055	M SMD 10,00 kΩ 1/10W
R5705	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5706	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5707	D0GDR00J0004	M SMD 0,00 Ω 1/8 W
R5900	D0GB390JA065	M SMD 39,00 Ω 1/10W
R5901	D1BB1002A055	M SMD 10,00 kΩ 1/10W
R5902	D1BB5362A055	M SMD 53,60 kΩ 1/10 W
R5904	D1BB3002A055	M SMD 30,00 kΩ 1/10W
R5906	D1BA4642A014	M SMD 46,40 kΩ 1/16 W
R5907	D0GB363JA065	M SMD 36,00 kΩ 1/10 W
R5910	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5911	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5912	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5913	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R5916	D0GA683JA023	M SMD 68,00 kΩ
R6875	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8008	D0GA331JA023	M SMD 330,00 Ω 1/16 W
R8100	D1BB1271A087	M SMD 1,27 kΩ 1/10W
R8102	D1BB2101A087	M SMD 2,10 kΩ 1/10 W
R8104	D1BB8200A087	M SMD 820,00 Ω 1/10 W
R8106	D1BB2001A087	M SMD 2,00 kΩ 1/10 W
R8108	D0GB100JA065	M SMD 10,00 Ω 1/10W
R8110	D0GB100JA065	M SMD 10,00 Ω 1/10W
R8114	D0GA303JA023	M 30,00 kΩ 1/16 W
R8118	D0GA183JA023	M SMD 18,00 kΩ
R8200	D1BA2400A014	M SMD 240,00 Ω 1/16 W
R8201	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8202	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8203	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8204	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8205	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8206	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8207	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8208	D1BA1001A014	M SMD 1,00 kΩ 1/16 W

Ref. No.	Part No.	Part Name & Description
R8209	D0GA111JA023	M SMD 110,00 Ω 1/16 W
R8210	D0GA111JA023	M SMD 110,00 Ω 1/16 W
R8211	D1BA2400A014	M SMD 240,00 Ω 1/16 W
R8212	D1BA2400A014	M SMD 240,00 Ω 1/16 W
R8213	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8214	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8215	D1BA2400A014	M SMD 240,00 Ω 1/16 W
R8216	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8217	D1BA1001A014	M SMD 1,00 kΩ 1/16 W
R8218	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8219	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8220	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8221	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8222	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8223	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8224	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8225	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8226	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8227	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8228	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8229	EXB28V220JX	M SMD 22,00 Ω 1/16 W
R8230	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8231	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8232	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8301	D0GA471JA023	M SMD 470,00 Ω 1/16 W
R8302	D0GA360JA023	M SMD 36,00 Ω 1/16 W
R8303	D0GA360JA023	M SMD 36,00 Ω 1/16 W
R8304	D1BA6201A014	M SMD 6,20 kΩ 1/16 W
R8305	D1BA6201A014	M SMD 6,20 kΩ 1/16 W
R8307	D1BA6201A014	M SMD 6,20 kΩ 1/16 W
R8381	D1BA75R0A014	M SMD 75,00 Ω 1/16 W
R8382	D1BA75R0A014	M SMD 75,00 Ω 1/16 W
R8383	D1BA75R0A014	M SMD 75,00 Ω 1/16 W
R8384	D1BA75R0A014	M SMD 75,00 Ω 1/16 W
R8438	EXB2HV103JV	M SMD 10,00 kΩ 1/16 W
R8439	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R8440	D0GA680JA023	M SMD 68,00 Ω 1/16 W
R8531	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8532	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8533	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8534	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8535	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8536	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8537	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8550	EXB28VR000X	M SMD 0,00 Ω
R8551	EXB28VR000X	M SMD 0,00 Ω
R8552	EXB28VR000X	M SMD 0,00 Ω
R8553	EXB28VR000X	M SMD 0,00 Ω
R8554	EXB28VR000X	M SMD 0,00 Ω
R8555	EXB28VR000X	M SMD 0,00 Ω
R8606	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R8607	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R8608	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8609	D1BA6491A014	M SMD 6,49 kΩ 1/16 W
R8610	D0GA221JA023	M SMD 220,00 Ω 1/16 W

Ref. No.	Part No.	Part Name & Description
R8615	D0GA105JA023	M SMD 1,00 MΩ 1/16 W
R8624	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8625	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8626	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8627	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8628	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8629	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8630	D1HG1038A002	M SMD 10,00 kΩ 1/16 W
R8632	EXB28V560JX	M SMD 56,00 Ω 1/32W
R8633	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8634	EXB28V560JX	M SMD 56,00 Ω 1/32W
R8636	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8639	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8640	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8641	D0GBR00J0004	M SMD 0,00 Ω 1/10 W
R8648	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8649	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R8650	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8651	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8652	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R8653	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8654	EXB28V560JX	M SMD 56,00 Ω 1/32W
R8655	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8656	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8657	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8658	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8659	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8660	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8661	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8663	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8665	D0GA560JA023	M SMD 56,00 Ω 1/16 W
R8704	D1BB5362A055	M SMD 53,60 kΩ 1/10 W
R8705	D1BB1002A055	M SMD 10,00 kΩ 1/10W
R8706	D0GA390JA023	M SMD 39,00 Ω 1/16 W
R8707	D1BB1002A055	M SMD 10,00 kΩ 1/10W
R8751	D0GA222JA023	M SMD 2,20 kΩ 1/16 W
R8752	D0GA332JA023	M SMD 3,30 kΩ 1/16 W
R8753	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R8754	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8756	D0GB390JA065	M SMD 39,00 Ω 1/10W
R8757	D1BB4301A055	M SMD 4,30 kΩ 1/10W
R8758	D1BB2402A055	M SMD 24,00 kΩ 1/10W
R8759	D1BB6041A055	M SMD 6,04 kΩ 1/10W
R8760	D0GA104JA023	M SMD 100,00 kΩ 1/16 W
R8761	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R8762	D0GD472JA052	M SMD 4,70 kΩ 1/8 W
R8763	D0GD472JA052	M SMD 4,70 kΩ 1/8 W
R8772	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R8773	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R8800	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8801	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8802	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8803	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8804	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R8805	D0GA103JA015	M SMD 10,00 kΩ 1/16 W

Ref. No.	Part No.	Part Name & Description
R8811	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8816	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8818	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8819	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8821	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R8824	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8831	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8835	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8838	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8843	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8846	D0GA273JA023	M SMD 27,00 kΩ
R8847	D0GA243JA023	M SMD 24,00 kΩ
R8853	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8856	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8857	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R8858	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R8909	D0GA222JA023	M SMD 2,20 kΩ 1/16 W
R8910	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R8925	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8926	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8927	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8928	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8929	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8930	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8931	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8932	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8933	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8934	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8935	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8936	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8937	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R8938	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R8939	D0GA472JA023	M SMD 4,70 kΩ 1/16 W
R8940	EXB2HV470JV	M SMD 47,00 Ω 1/16 W
R8942	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R8944	EXB28V560JX	M SMD 56,00 Ω 1/32W
R8950	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R8953	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8954	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8955	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8956	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8957	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8958	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8959	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8960	D0GA272JA023	M SMD 2,70 kΩ 1/16 W
R8961	EXB28V332JX	M SMD 3,30 kΩ
R8967	D0GA102JA023	M SMD 1,00 kΩ 1/16 W
R8968	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R8969	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R8970	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R9035	D0GA103JA015	M SMD 10,00 kΩ 1/16 W
R9050	D0GA220JA023	M SMD 22,00 Ω 1/16 W
R9051	D0GAR00J0005	M SMD 0,00 Ω 1/16 W
R9105	D0GA473JA015	M SMD 47,00 kΩ 1/16 W
R9109	D0GA101JA015	M SMD 100,00 Ω 1/16 W

Ref. No.	Part No.	Part Name & Description
R9198	EXB28V101JX	M SMD 100,00 Ω 1/16 W
R9203	D0GA272JA023	M SMD 2,70 k Ω 1/16 W
R9205	D0GA333JA023	M SMD 33,00 k Ω
R9206	D0GA563JA023	M SMD 56,00 k Ω
R9208	EXB2HV470JV	M SMD 47,00 Ω 1/16 W
R9209	EXB2HV470JV	M SMD 47,00 Ω 1/16 W
R9224	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9226	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9247	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9307	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9308	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9320	D0GA182JA023	M SMD 1,80 k Ω 1/16 W
R9321	D0GA105JA023	M SMD 1,00 M Ω 1/16 W
R9324	D0GB122JA065	M SMD 1,20 k Ω 1/10W
R9325	D0GB122JA065	M SMD 1,20 k Ω 1/10W
R9326	D0GB122JA065	M SMD 1,20 k Ω 1/10W
R9327	D0GB122JA065	M SMD 1,20 k Ω 1/10W
R9329	D0GA102JA023	M SMD 1,00 k Ω 1/16 W
R9330	D0GA102JA023	M SMD 1,00 k Ω 1/16 W
R9400	EXB2HV103JV	M SMD 10,00 k Ω 1/16 W
R9401	EXB2HV103JV	M SMD 10,00 k Ω 1/16 W
R9402	EXB28V103JX	M SMD 10,00 k Ω
R9533	EXB28V103JX	M SMD 10,00 k Ω
R9534	D0GA103JA015	M SMD 10,00 k Ω 1/16 W
R9535	EXB28V470JX	RES. SMD 47,00 Ω
R9536	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9541	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9542	D0GA470JA023	M SMD 47,00 Ω 1/16 W
R9608	EXB2HV470JV	M SMD 47,00 Ω 1/16 W
R9610	EXB28V470JX	RES. SMD 47,00 Ω
R9860	D1BB1101A055	M SMD 1,10 k Ω 1/10 W
R9861	D1BB1911A074	M 1,91 k Ω 1/10 W
R9862	D1BB3601A055	M SMD 3,60 k Ω 1/10W
R9863	D1BB8200A087	M SMD 820,00 Ω 1/10 W
R9864	D0GB100JA065	M SMD 10,00 Ω 1/10W
R9865	D0GB100JA065	M SMD 10,00 Ω 1/10W
R9866	D0GA153JA023	M SMD 15,00 k Ω
R9867	D0GA273JA023	M SMD 27,00 k Ω
R9907	D0GA101JA015	M SMD 100,00 Ω 1/16 W
R14604	D0GD220JA052	RES. 22 Ω , J, 1/4W
R14605	D0GB103JA065	RES. 10 K Ω J 1/10W
R14901	D0GD331JA052	RES. 330 Ω , J, 1/4W
R14902	D0GD331JA052	RES. 330 Ω , J, 1/4W
R14904	D0GD3R3JA052	RES. 3.3 Ω , J, 1/4W
R14907	D0GD331JA052	RES. 330 Ω , J, 1/4W
R14908	D0GD331JA052	RES. 330 Ω , J, 1/4W
R14911	D0GD181JA052	RES. 180 Ω , J, 1/4W
R14913	D0GD102JA052	RES. 1.0K Ω , J, 1/8W
R14916	EXB38V473J	RES. 47 k Ω 1/16 W
R14917	D0GD203JA052	RES. 20K Ω , J, 1/4W
R14918	D0GD100JA052	RES. 10 Ω , J, 1/4W
R14919	D0GB103JA065	RES. 10 K Ω J 1/10W
R14920	D0GD470JA052	RES. 47 Ω , J, 1/8W
R14921	EXB38V220JV	RES. 22 Ω 1/16 W
R14922	EXB38V220JV	RES. 22 Ω 1/16 W

Ref. No.	Part No.	Part Name & Description
R14923	EXB38V220JV	RES. 22 Ω 1/16 W
R14930	D0GB220JA065	RES. 22 Ω J 1/10W
R14966	EXB38V222J	RES. 2.2 k Ω 1/16 W
R16001	D0GF7R5JA047	RES. 7.5 Ω , J, 1/3W
R16002	D0GF7R5JA047	RES. 7.5 Ω , J, 1/3W
R16021	D0GF7R5JA047	RES. 7.5 Ω , J, 1/3W
R16022	D0GF7R5JA047	RES. 7.5 Ω , J, 1/3W
R16031	D0GF473JA048	RES. 47K Ω , J, 1/3W
R16032	D0GF473JA048	RES. 47K Ω , J, 1/3W
R16042	D0GF5R6JA047	RES. 5.6 Ω , J, 1/3W
R16052	D0GF5R6JA047	RES. 5.6 Ω , J, 1/3W
R16101	D0GD150JA059	RES. 15 Ω , J, 1/4W
R16102	D0GD150JA059	RES. 15 Ω , J, 1/4W
R16105	D0GF474JA048	RES. 470K Ω , J, 1/3W
R16116	D0GB473JA065	RES. 47K Ω J. 1/10W
R16130	D0GB103JA065	RES. 10 K Ω J 1/10W
R16131	D0GB220JA065	RES. 22 Ω J 1/10W
R16132	D0GB101JA065	RES. 10 Ω , J, 1/10W
R16133	D1BD2700A044	RES. 270 Ω , J, 1/8 W
R16134	D0GD750JA059	RES. 75 Ω , J, 1/4W
R16135	D0GB4R7JA065	RES. 4.7 Ω J 1/10W
R16137	D0GZ1R0JA020	RES. 1 Ω , J, 1/2W
R16138	D0GF561JA047	RES. 560 Ω , J, 1/3W
R16141	D0GD100JA059	RES. 10 Ω , J, 1/4W
R16143	D0GB473JA065	RES. 47K Ω J. 1/10W
R16151	D0GB220JA065	RES. 22 Ω J 1/10W
R16152	D0GB220JA065	RES. 22 Ω J 1/10W
R16153	D0GB331JA065	RES. 330 Ω J 1/10W
R16154	D0GD750JA059	RES. 75 Ω , J, 1/4W
R16155	D0GB4R7JA065	RES. 4.7 Ω J 1/10W
R16161	D0GD100JA059	RES. 10 Ω , J, 1/4W
R16163	D0GB473JA065	RES. 47K Ω J. 1/10W
R16171	D0GD100JA059	RES. 10 Ω , J, 1/4W
R16173	D0GB473JA065	RES. 47K Ω J. 1/10W
R16181	D0GD100JA059	RES. 10 Ω , J, 1/4W
R16183	D0GB473JA065	RES. 47K Ω J. 1/10W
R16191	D1BD2700A044	RES. 270 Ω , J, 1/8 W
R16192	D0GB103JA065	RES. 10 K Ω J 1/10W
R16193	D0GD750JA052	RES. 75 Ω , J, 1/8W
R16195	D0GF1R0JA047	RES. 1 Ω , J, 1/3W
R16196	D0GF102JA048	RES. 1.0 K Ω , J, 1/3W
R16197	D0GB220JA065	RES. 22 Ω J 1/10W
R16230	D0GD470JA052	RES. 47 Ω , J, 1/8W
R16231	D0GB472JA065	RES. 4.7K Ω , J, 1/10W
R16241	EXB38V470J	RES. 47 Ω 1/16 W
R16242	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16243	D0GB103JA065	RES. 10 K Ω J 1/10W
R16244	D0GB273JA065	RES. 27K Ω J 1/10W
R16245	D0GB472JA065	RES. 4.7K Ω , J, 1/10W
R16246	D0GD222JA052	RES. 2.2K Ω , J, 1/8W
R16252	D0GF563JA048	RES. 56 K Ω , J, 1/3W
R16253	D1BD1003A044	RES. 10 0K Ω , J, 1/8 W
R16254	D1BD4422A044	RES. 44.2K Ω , F, 1/8W
R16255	D0GB103JA065	RES. 10 K Ω J 1/10W
R16257	D0GB473JA065	RES. 47K Ω J. 1/10W

Ref. No.	Part No.	Part Name & Description
R16281	D0GB103JA065	RES. 10 K Ω J 1/10W
R16282	D0GD221JA052	RES. 220 Ω ,J 1/4W
R16283	D0GB473JA065	RES. 47K Ω J. 1/10W
R16284	D0GB224JA065	RES. 220K Ω ,J,1/10W
R16285	EXB38V623J	RES. 62 k Ω 1/16 W
R16289	D0GF334JA047	RES. 330K Ω J,1/3W
R16290	D0GF334JA047	RES. 330K Ω J,1/3W
R16307	D1BD5232A077	RES. 52.3K Ω ,D.1/10W
R16309	ERG2FJX473E	RES. 47K Ω , J, 1W
R16310	ERG2FJX473E	RES. 47K Ω , J, 1W
R16311	ERG2FJX473E	RES. 47K Ω , J, 1W
R16317	D1BD5232A077	RES. 52.3K Ω ,D.1/10W
R16318	D1BD4752A077	RES. 47.5K Ω ,D.1/10W
R16319	D1BD2491A077	RES. 2.49K Ω ,D.1/10W
R16320	ERJ14YJ683	RES. 68K Ω , J. 1/4W
R16330	D0GB102JA065	RES. 1K Ω ,J,1/10W
R16332	D0GB474JA065	RES. 470K Ω ,J,1/10W
R16334	D0GB472JA065	RES. 4.7K Ω , J,1/10W
R16335	D0GB102JA065	RES. 1K Ω ,J,1/10W
R16401	D0GF7R5JA047	RES. 7.5 Ω ,J, 1/3W
R16402	D0GF7R5JA047	RES. 7.5 Ω ,J, 1/3W
R16403	D0GF7R5JA047	RES. 7.5 Ω ,J, 1/3W
R16411	D1BD2700A044	RES. 270 Ω ,J,1/8 W
R16412	D1BD2700A044	RES. 270 Ω ,J,1/8 W
R16414	D0GB103JA065	RES. 10 K Ω J 1/10W
R16416	D0GB103JA065	RES. 10 K Ω J 1/10W
R16421	D0GF7R5JA047	RES. 7.5 Ω ,J, 1/3W
R16422	D0GF7R5JA047	RES. 7.5 Ω ,J, 1/3W
R16423	D0GF7R5JA047	RES. 7.5 Ω ,J, 1/3W
R16441	D0GF5R6JA047	RES. 5.6 Ω ,J, 1/3W
R16451	D0GF5R6JA047	RES. 5.6 Ω ,J, 1/3W
R16466	D0GF473JA048	RES. 47K Ω ,J,1/3W
R16467	D0GF473JA048	RES. 47K Ω ,J,1/3W
R16471	D0GB392JA065	RES. 3.9K Ω ,J,1/10W
R16472	D0GB222JA065	RES. 2.2K Ω ,J,1/10W
R16473	D0GD561JA052	RES. 560 Ω ,J,1/4W
R16474	D0GB102JA065	RES. 1K Ω ,J,1/10W
R16475	D0GB472JA065	RES. 4.7K Ω , J,1/10W
R16476	D0GB222JA065	RES. 2.2K Ω ,J,1/10W
R16479	D0GD103JA052	RES. 10 K Ω ,J,1/8W
R16490	D1BD1203A077	RES. 120K Ω ,D.1/10W
R16491	D1BD1203A077	RES. 120K Ω ,D.1/10W
R16492	D1BD1203A077	RES. 120K Ω ,D.1/10W
R16493	D1BD5111A077	RES. 5.11K Ω .J.1/8 W
R16494	D1BB2001A055	RES. 2K Ω ,J,1/10W
R16497	D0GB473JA065	RES. 47K Ω J. 1/10W
R16498	D0GB103JA065	RES. 10 K Ω J 1/10W
R16501	D0GB220JA065	RES. 22 Ω J 1/10W
R16503	D0GD100JA059	RES. 10 Ω ,J,1/4W
R16505	D0GF102JA048	RES. 1.0 K Ω ,J,1/3W
R16506	D0GD100JA059	RES. 10 Ω ,J,1/4W
R16507	D0GB220JA065	RES. 22 Ω J 1/10W
R16508	D0GB220JA065	RES. 22 Ω J 1/10W
R16512	D0GB473JA065	RES. 47K Ω J. 1/10W
R16517	D0GB473JA065	RES. 47K Ω J. 1/10W

Ref. No.	Part No.	Part Name & Description
R16522	D0GB101JA065	RES. 10 0 Ω ,J,1/10W
R16525	D0GB4R7JA065	RES. 4.7 Ω J 1/10W
R16526	D0GB4R7JA065	RES. 4.7 Ω J 1/10W
R16531	D0GD100JA059	RES. 10 Ω ,J,1/4W
R16532	D0GB473JA065	RES. 47K Ω J. 1/10W
R16534	D0GF561JA047	RES. 560 Ω ,J, 1/3W
R16536	D0GF1R0JA047	RES. 1 Ω ,J,1/3W
R16537	D0GF1R0JA047	RES. 1 Ω ,J,1/3W
R16551	D0GD100JA059	RES. 10 Ω ,J,1/4W
R16552	D0GB473JA065	RES. 47K Ω J. 1/10W
R16561	EXB38V470J	RES. 47 Ω 1/16 W
R16562	EXB38V470J	RES. 47 Ω 1/16 W
R16563	EXB38V470J	RES. 47 Ω 1/16 W
R16564	EXB38V470J	RES. 47 Ω 1/16 W
R16565	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16566	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16567	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16568	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16570	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16573	D0GB103JA065	RES. 10 K Ω J 1/10W
R16574	D0GB103JA065	RES. 10 K Ω J 1/10W
R16575	D0GB751JA065	RES. 750 Ω J 1/10W
R16576	D0GB101JA065	RES. 10 0 Ω ,J,1/10W
R16579	EXB38V470J	RES. 47 Ω 1/16 W
R16581	D0GB103JA065	RES. 10 K Ω J 1/10W
R16582	D0GF563JA048	RES. 56 K Ω ,J,1/3W
R16583	D1BD1003A044	RES. 10 0K Ω ,J.1/8 W
R16584	D1BD4422A044	RES. 44.2K Ω ,F.1/8W
R16585	D0GB473JA065	RES. 47K Ω J. 1/10W
R16587	D0GB222JA065	RES. 2.2K Ω ,J,1/10W
R16588	D0GB223JA065	RES. 22K Ω ,J,1/10W
R16590	D0GB221JA065	RES. 220 Ω J 1/10W
R16591	EXB38V472JV	RES. 4.7 k Ω 1/16 W
R16594	D0GB472JA065	RES. 4.7K Ω , J,1/10W
R16601	D0GF1R0JA047	RES. 1 Ω ,J,1/3W
R16604	D0GD331JA052	RES. 330 Ω ,J,1/4W
R16605	D0GD220JA059	RES. 22 Ω ,J,1/4W
R16606	D0GD223JA052	RES. 22K Ω ,J,1/4W
R16607	D1BB5111A055	RES. 5.11K Ω ,J.1/10W
R16608	ERG2FJX153E	RES. 15K Ω , J, 2W
R16609	D0GF102JA047	RES. 1.0 K Ω ,J,1/3W
R16610	D0GB104JA065	RES. 10 0K Ω J 1/10W
R16612	D0GD220JA059	RES. 22 Ω ,J,1/4W
R16615	D1BB1871A055	RES. 1.87K Ω , 1/10W
R16617	D0GD222JA052	RES. 2.2K Ω ,J,1/8W
R16621	D0GD221JA052	RES. 220 Ω ,J 1/4W
R16622	D0GD221JA052	RES. 220 Ω ,J 1/4W
R16623	D0GD221JA052	RES. 220 Ω ,J 1/4W
R16631	D0GB103JA065	RES. 10 K Ω J 1/10W
R16633	D0GD223JA052	RES. 22K Ω ,J,1/4W
R16634	D0GD222JA052	RES. 2.2K Ω ,J,1/8W
R16645	D0GB562JA065	RES. 5.6K Ω ,J,1/10W
R16646	D1BD8660A044	RES. 866 Ω ,F.1/8W
R16648	D0GF202JA047	RES. 2K Ω ,J,1/3W
R16649	D0GD330JA059	RES. 33 Ω ,F,1/4W

Ref. No.	Part No.	Part Name & Description
R16650	D0GB104JA065	RES. 10 0KΩ J 1/10W
R16651	D0GF202JA047	RES. 2KΩ,J,1/3W
R16653	D0GD222JA052	RES. 2.2KΩ,J,1/8W
R16654	D0GD470JA052	RES. 47 Ω,J,1/8W
R16658	D1BD6491A077	RES. 6.49KΩ,D.1/10W
R16661	D0GD100JA059	RES. 10 Ω,J,1/4W
R16662	D1BB1002A087	RES. 10 KΩ,J.1/10W
R16663	D1BD9091A077	RES. 9.09KΩ,D.1/10W
R16664	D0GF202JA047	RES. 2KΩ,J,1/3W
R16665	D0GD222JA052	RES. 2.2KΩ,J,1/8W
R16666	D1BB1003A087	RES. 100KΩ,D 1/10W
R16667	D0GF202JA047	RES. 2KΩ,J,1/3W
R16668	D0GF202JA047	RES. 2KΩ,J,1/3W
R16674	D0GF202JA047	RES. 2KΩ,J,1/3W
R16675	D0GB103JA065	RES. 10 K Ω J 1/10W
R16676	D1BD2700A044	RES. 270 Ω,J.1/8 W
R16677	D0GF202JA047	RES. 2KΩ,J,1/3W
R16678	D0GF202JA047	RES. 2KΩ,J,1/3W
R16681	D0GD100JA059	RES. 10 Ω,J,1/4W
R16682	D0GD100JA059	RES. 10 Ω,J,1/4W
R16683	D0GD100JA059	RES. 10 Ω,J,1/4W
R16684	D0GB220JA065	RES. 22 Ω J 1/10W
R16685	D1BD1500A044	RES. 150 Ω,J.1/8 W
R16686	D0GB103JA065	RES. 10 K Ω J 1/10W
R16696	D0D26R2JA034	RES. 2.6 Ω,J,2W
R16697	D0D26R2JA034	RES. 2.6 Ω,J,2W
R16698	D0D26R2JA034	RES. 2.6 Ω,J,2W
R16761	D0GD100JA059	RES. 10 Ω,J,1/4W
R16763	D0GB473JA065	RES. 47KΩ J. 1/10W
R16772	D0GB472JA065	RES. 4.7KΩ, J,1/10W
R16773	D0GD102JA052	RES. 1.0KΩ,J,1/8W
R16776	D0GD470JA052	RES. 47 Ω,J,1/8W
R16786	D1BD5902A044	RES. 59KΩ,F.1/8W
R16791	D0GB102JA065	RES. 1KΩ,J,1/10W
R16798	D0GB222JA065	RES. 2.2KΩ,J,1/10W
R16799	D0GB102JA065	RES. 1KΩ,J,1/10W
R16815	D0GB103JA065	RES. 10 K Ω J 1/10W
R16818	D1BB3302A055	RES. 33KΩ,J.1/10W
R16819	D1BD1693A044	RES. 169KΩ,F.1/8W
R16820	D1BD1693A044	RES. 169KΩ,F.1/8W
R16822	D1BD8202A044	RES. 82KΩ,J.1/8 W
R16823	D1BD6192A044	RES. 61.9KΩ,J.1/8 W
R16824	D1BD3742A044	RES. 37.4KΩ,F.1/8W
R16825	D0GD154JA059	RES. 150KΩ,J,1/4W
R16826	D0GB103JA065	RES. 10 K Ω J 1/10W
R16829	D0GB102JA065	RES. 1KΩ,J,1/10W
R16831	D1BD6812A077	RES. 68.1KΩ,D.1/10W
R16832	D1BD7152A077	RES. 71.5KΩ,D.1/10W
R16833	ERG1FJX683E	RES. 68KΩ, J, 1W
R16834	ERG1FJX683E	RES. 68KΩ, J, 1W
R16838	ERG2FJX104	RES. 10 0KΩ, J, 1W
R16841	D0GB472JA065	RES. 4.7KΩ, J,1/10W
R16842	D0GD102JA052	RES. 1.0KΩ,J,1/8W
R16844	ERA6YEB242	RES. 2.4KΩ, B 1/10W
R16845	D1BD6982A077	RES. 69.8KΩ,D.1/10W

Ref. No.	Part No.	Part Name & Description
R16846	D1BD6042A077	RES. 60.4KΩ,D.1/10W
R16847	D1BD6492A077	RES. 64.9KΩ,D.1/10W
R16851	D0GB474JA065	RES. 470KΩ,J,1/10W
R16852	D0GB474JA065	RES. 470KΩ,J,1/10W
R16856	D0GB102JA065	RES. 1KΩ,J,1/10W
R16873	ERA6YEB242	RES. 2.4KΩ, B 1/10W
R16891	D1BF6982A058	RES. 69.8KΩ, 1/4W
R16892	D1BF8252A058	RES. 82.50KΩ, 1/4W
R16893	D1BF8252A058	RES. 82.50KΩ, 1/4W
R16894	D1BB3091A087	RES. 3.09KΩ,D 1/16W
R16895	D1BB9091A087	RES. 9.09 KΩ,J.1/10W
R16897	D1BB2262A055	RES. 22.6KΩ F 1/10W
R16898	D1BB1051A055	RES. 1.05KΩ,J.1/10W
R16899	D1BB1372A055	RES. 13.7KΩ, 1/10W
R16900	D1BB3831A055	RES. 3.83KΩ,D 1/16W
R16902	D0GB6R2JA065	RES. 6.2 Ω J 1/10W
R16919	D1BB1582A055	RES. 15.8KΩ, 1/10W
R16920	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R16921	D1BB2152A055	RES. 21.5KΩ, 1/10W
R16922	D1BB9531A055	RES. 9.53KΩ,J.1/10W
R16923	D1BB5111A055	RES. 5.11KΩ,J.1/10W
R16924	D1BB1152A055	RES. 11.5KΩ 1/10W
R16931	D1BF2R70A021	RES. 2.7 Ω, 1/4W
R16932	D0GD223JA052	RES. 22KΩ,J,1/4W
R16937	D0GB184JA065	RES.180KΩ J 1/10W
R16939	D0GD102JA052	RES. 1.0KΩ,J,1/8W
R16940	D0GB473JA065	RES. 47KΩ J. 1/10W
R16941	D0GB472JA065	RES. 4.7KΩ, J,1/10W
R16942	D0GB473JA065	RES. 47KΩ J. 1/10W
R16945	D0GB471JA065	RES. 470 Ω,J,1/10W
R17101	D1BB49R90002	RES. 49 Ω,J.1/10W
R17102	D1BB49R90002	RES. 49 Ω,J.1/10W
R17103	D1BB49R90002	RES. 49 Ω,J.1/10W
R17104	D1BB49R90002	RES. 49 Ω,J.1/10W
R17105	D1BB49R90002	RES. 49 Ω,J.1/10W
R17106	D1BB49R90002	RES. 49 Ω,J.1/10W
R17107	D1BB49R90002	RES. 49 Ω,J.1/10W
R17108	D1BB49R90002	RES. 49 Ω,J.1/10W
R17109	D0GZ1R0JA020	RES. 1 Ω, J,1/2W
R17111	D0GZ1R0JA020	RES. 1 Ω, J,1/2W
R17113	D0GZ1R0JA020	RES. 1 Ω, J,1/2W
R17115	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R17116	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R17117	D0GF102JA047	RES. 1.0 KΩ,J,1/3W
R17118	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17119	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17120	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17121	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17122	D0GZ1R0JA020	RES. 1 Ω, J,1/2W
R17124	D0GZ1R0JA020	RES. 1 Ω, J,1/2W
R17126	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17127	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17128	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17129	D0GB101JA065	RES. 10 0 Ω,J,1/10W
R17130	D0GZ1R0JA020	RES. 1 Ω, J,1/2W

Ref. No.	Part No.	Part Name & Description
R17132	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17134	D0GD224JA052	RES. 220KΩ, J, 1/8W
R17135	D0GB681JA065	RES. 680 Ω, J, 1/10W
R17138	EXB38V470J	RES. 47 Ω 1/16 W
R17139	EXB38V470J	RES. 47 Ω 1/16 W
R17140	EXB38V681J	RES. 680 Ω 1/16 W
R17141	D0GB681JA065	RES. 680 Ω, J, 1/10W
R17142	D0GF223JA047	RES. 22KΩ, J, 1/3W
R17143	D0GB331JA065	RES. 330 Ω J 1/10W
R17144	D0GB102JA065	RES. 1KΩ, J, 1/10W
R17145	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R17146	D0GBR00J0004	JUMPER 0 Ω J 1/10W
R17147	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17148	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17149	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17150	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17151	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17152	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17153	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17154	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17196	D0GB102JA065	RES. 1KΩ, J, 1/10W
R17201	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17202	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17203	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17204	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17205	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17207	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17209	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17210	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17211	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17212	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17213	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17214	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17215	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17216	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17217	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17218	D0GB101JA065	RES. 10 0 Ω, J, 1/10W
R17219	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17220	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17221	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17223	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17225	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17227	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17229	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17231	D0GZ1R0JA020	RES. 1 Ω, J, 1/2W
R17233	D0GB681JA065	RES. 680 Ω, J, 1/10W
R17236	EXB38V470J	RES. 47 Ω 1/16 W
R17237	EXB38V470J	RES. 47 Ω 1/16 W
R17240	EXB38V681J	RES. 680 Ω 1/16 W
R17243	D0GD224JA052	RES. 220KΩ, J, 1/8W
R17244	D0GF102JA047	RES. 1.0 KΩ, J, 1/3W
R17245	D0GB681JA065	RES. 680 Ω, J, 1/10W
R17246	D0GF223JA047	RES. 22KΩ, J, 1/3W
R17247	D0GB331JA065	RES. 330 Ω J 1/10W
R17248	D0GB102JA065	RES. 1KΩ, J, 1/10W

Ref. No.	Part No.	Part Name & Description
R17249	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17250	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17251	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17252	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17253	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17254	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17255	D1BB49R90002	RES. 49 Ω, J, 1/10W
R17256	D1BB49R90002	RES. 49 Ω, J, 1/10W
RL100	⚠ K6B1AYY00064	RELAY
RM2810	B3RAD0000168	REMOTE SENSOR
S10	K1KA03BA0061	3P CONNECTOR - JST
S100	⚠ J0LY00000161	SURGE ABSORBER
SN2	K1KY02B00012	2P CONNECTOR
SN20	K1MY35BA0345	35P CONNECTOR
SN21	K1MND6BA0264	6P CONNECTOR
SN22	K1MND6BA0264	6P CONNECTOR
SN23	K1MND6BA0264	6P CONNECTOR
SN24	K1MND6BA0264	6P CONNECTOR
SN25	K1MND6BA0264	6P CONNECTOR
SN26	K1MND6BA0264	6P CONNECTOR
SN27	K1MND6BA0264	6P CONNECTOR
SN28	K1MND6BA0264	6P CONNECTOR
SN2810	B3JB00000078	CONNECTOR
SS11	K1KY03B00006	3P CONNECTOR
SS33	K1MY20BA0345	20P CONNECTOR
SS61	K1MY13BA0343	13P CONNECTOR
SS66	K1MY13BA0443	13P CONNECTOR
SW2890	K0F126A00003	TOUCH SWITCH
T200	⚠ G4DYA0000288	TRAFO
T300	⚠ G4DYA0000286	TRAFO
T301	⚠ G4DYA0000287	TRAFO
T302	⚠ G4DYA0000287	TRAFO
T8301	G5BYC0000015	TRAFO
T16471	G4DYA0000324	SWITCHING TRAFO
T16472	G4DYA0000325	SWITCHING TRAFO
TU4801	⚠ ENGS7303D5F	TUNER
TU4802	ENGS6102D6F	TUNER
V14	K1KA06B00220	6P CONNECTOR
VR251	EVMAASA00B24	CONTROL 20KΩB
VR600	EVMAASA00B23	CONTROL 2KΩB
X8300	H0J245500110	CRYSTAL
X8600	H0J250500109	CRYSTAL
X9300	H0J200500091	CRYSTAL

Ref. No.	Part No.	Part Name & Description
ZA100	K4ZZ01000206	TERMINAL
ZA600	K4ZZ01000206	TERMINAL
ZA16001	K4AZ01D00004	TERMINAL
ZA16002	K4AZ01D00004	TERMINAL
ZA16011	K4AZ01D00004	TERMINAL
ZA16012	K4AZ01D00004	TERMINAL
ZA16101	K4AD01Z00003	TERMINAL
ZA16102	K4AD01Z00003	TERMINAL
ZA16106	K4AD01Z00003	TERMINAL
ZA16111	K4AA04D00002	TERMINAL
ZA16112	K4AA04D00002	TERMINAL
ZA16116	K4AA04D00002	TERMINAL
ZA16402	K4AZ01D00004	TERMINAL
ZA16403	K4AZ01D00004	TERMINAL
ZA17101	K4CD01000013	AV TERMINAL
ZA17102	K4CD01000013	AV TERMINAL
ZA17103	K4CD01000013	AV TERMINAL
ZA17104	K4CD01000013	AV TERMINAL
ZA17201	K4CD01000013	AV TERMINAL
ZA17202	K4CD01000013	AV TERMINAL
ZA17203	K4CD01000013	AV TERMINAL
ZA17204	K4CD01000013	AV TERMINAL

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